## The most current laboratory reference ranges are included in the laboratory report from the LIS. Laboratory testing information is also available on the Laboratory Guide to Services Website. https://clinicallabs.osumc.edu This document applies all information is interested to the Control Laboratories. This include: Polaric New Laboratory 2019 Polaric Phys. Immonistors Centrol Laboratories. This include: Achemina Laboratories. 680 Achemina Rel Rin 429, Columbus OH 43202 Morehous Laboratory, 1145 Olimbing Weber & Rin 2008, Columbus OH 43202 Spelman Laboratories (111), 410 West 18th Avenue, Columbus OH 4212 Clinical Laboratories (111), 410 West 18th Avenue, Columbus OH 43203 Clinical Laboratories (111), 511 Topley Accuse, Columbus OH 43203

			Clinical L	aboratories (UHE): 181 Taylor A	venue, Columbus OH 43203				
Analyte	Alternative Names	Methodology / Reaction Type	Instrument or Kit	Units	Reference Ranges	Critical Values	Source of Reference Range	Technical Range / AMR	Reportable Range / CRR
Arterial Blood Gas	ABG	Various	Manufacturer CCL: Radiometer	Various	Various	Various	Various	Various	Various
Arterial Blood Gas	ABU	Various  Calculation of the expression	RT: Siemens	v arious	v arious	v arious	v arious	v at IOUS	v at IOUS
Blood Gas Base Excess	Base Excess, Base Deficit	that approximates the amount of acid or base required to titrate one liter of blood back to a normal pH of 7.40.	CCL: Radiometer RT: Siemens	mmol/L	-3.0 to + 3.0	N/A	Contemporary Practice in Clinical Chemistry 3rd Ed 2016. Chapter 32. Table 32-1 p450	-30.0 - 30.0	-30.0 - 30.0
Blood Gas Bicarbonate (HCO <sub>3</sub> )	Bicarbonate, CO2 Whole Blood	Calculation	CCL: Radiometer RT: Siemens	mmol/L	Arterial >30 Days: 22-26 Venous: 22-27	N/A	Arterial: Clinical Guide to Laboratory Tests, Tietz, 1995 Venous: 2. Blood Gas Bicarbonate: Agreement between arterial and central venous values for pH, bicarbonate; base excess, and lactate P Middleton, A-M Kelly, J Brown, M Robertson. Emerg Med J 2006;23:622-624	Calculation	Calculation
Blood Gas Glucose Only	Whole Blood Glucose	Amperometric	CCL: Radiometer RT: Siemens	mg/dL	1+ years: 70-99	>1 year: <50 and >400 <1 year: <40 and >200	Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	CCL: 1-1030 RT: 30-700	CCL: 1-1030 RT: 30-700
Blood Gas HCT	N/A	Calculation	CCL: Radiometer RT: Siemens	%	>18 years Male: 39.6-48.8 Female: 34.9-44.3	N/A	OSU Internal Normal Range Study, October 2018	Calculation	Calculation
Blood Gas HGB	N/A	Cooximetry	CCL: Radiometer RT: Siemens	g/dL	>18 years Male: 13.4-16.8 <u>Female</u> : 11.4-15.2	>12y: <7.0 and >22.0 8d-12y: <8.0 and >22.0 0d-7d: <11.0 and >22.0	OSU Internal Normal Range Study, October 2018	CCL: 4.8-23.5 RT: 5.0-21.0	CCL: 4.8-23.5 RT: 5.0-21.0
Blood Gas Ionized Calcium Only	Ionized Calcium, Ionized Calcium SST (Tube Specific)	Potentiometric	CCL: Radiometer RT: Siemens	mg/dL	4.60-5.30	<3.40 and >6.20	Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, 2006	CCL: 1.00-13.00 UH RT: 2.5-12.0 UHE RT: 1.0-12.0	CCL: 1.00-13.00 UH RT: 2.5-12.0 UHE RT: 1.0-12.0
Ionized Calcium (CRRT)	Ionized Calcium, Continuous Renal Replacement Therapy (CRRT),	Potentiometric	CCL: Radiometer RT: Siemens	mg/dL	1.00-2.00	N/A	TBD	CCL: 1.00-13.00 UH RT: 2.5-12.0 UHE RT: 1.0-12.0	CCL: 1.00-13.00 UH RT: 2.5-12.0 UHE RT: 1.0-12.0
Blood Gas Lactate Only	(CRRT), Lactic Acid	Amperometric	CCL: Radiometer	mmol/L	Adult:	≥5.0	ABL 800 Flex Reference	CCL: 0.0-30.0	CCL: 0.0-30.0
Blood Gas O2Sat	802	Visible absorption spectroscopy	RT: Siemens  CCL: Radiometer RT: Siemens	%6	0.5 - 1.6  Arterial  0.365 davs: 40.90 ≥1.year: 94.98  Venous: 70.80	N/A	Manual  Arterial: Clinical Guide to Laboratory Tests, Tietz, 1995  Venous: Blood Gas O2Sat: Radiometer Bulletin No: 44 Compendium of reference intervals	RT: 0.50-20.00	RT: 0.50-20.00
Blood Gas pCO2	N/A	Potentiometric	CCL: Radiometer RT: Siemens	mmHg	>31 days Arterial: 32-48 Venous: 36-52	Arterial: <20 and >65 Venous: <24 and >64	Arterial: Clinical Guide to Laboratory Tests, Tietz, 1995 & Fundamentals of Clinical Chem, 1987 / Venous: Respirology. 2014 Feb;10(2):168-75, doi:10.11111/resp.122225. Pub 2014 Jan 3.	CCL: 5-115 RT: 13.0-142.0	CCL: 5-115 RT: 13.0-142.0
Blood Gas pH Only	N/A	Potentiometric	CCL: Radiometer RT: Siemens	рΗ	>31 days Arterial: 7.35-7.45 Venous: 7.32-7.42	Arterial: <7.20 and >7.55  Venous: <7.17 and >7.52	Arterial: Clinical Guide to Laboratory Tests, Tietz, 1995 & Fundamentals of Clinical Chem, 1987 / Venous: Respirology. 2014 Feb;19(2):168-75, doi:10.11111/resp.122225. Pub 2014 Jan 3.	CCL: 6.80-8.00 RT: 6.800-7.770	CCL: 6.80-8.00 RT: 6.800-7.770
Blood Gas pO <sub>2</sub>	N/A	Amperometric	CCL: Radiometer RT: Siemens	ттНд	Arterial: 83-108  Venous: Venous pO2 is not recommended for the evaluation of oxygen status, clinical correlation is recommended	Arterial: 544 Venous: N/A	Arterial: Clinical Guide to Laboratory Tests, Tieze, 1995 & Fundamentals of Clinical Chem. 1987 Venous: Respirology. 2014 Feb;19(2):168-75, doi:10.11111/resp.122225. Pub 2014 Jan 3.	CCL: 0-700 RT: 35.0-525.0	CCL: 0-700 RT: 35.0-525.0
Blood Gas Potassium Only	Whole Blood Potassium	Potentiometric	CCL: Radiometer RT: Siemens	mmol/L	18+ years: 3.5-5.0	1 - 18+ years: <3.0 and >6.0 <1 year: <3.0 and >7.0	Clinical Guide to Laboratory Tests, Tietz, 1995	CCL: 1.0-14.0 RT: 1.00-12.00	CCL: 1.0-14.0 RT: 1.00-12.00
Blood Gas Sodium Only	Whole Blood Sodium	Potentiometric	CCL: Radiometer RT: Siemens	mmol/L	1+ years: 133-143	<125 and >160	Internal study, 2012 (see file); Pediatric Reference Ranges,	CCL: 80-175 RT: 100.0-170.0	CCL: 80-175 RT: 100.0-170.0
Carboxy-Hgb	Carboxyhemoglobin,	Cooximetry	CCL: Radiometer	%	0.5 - 1.5	N/A	Soldin, 1999 ABL 800 Flex Reference	0.0-50.0	0.0-50.0
	Carbon Monoxide		RT: Siemens CCL: Radiometer				Manual ABL 800 Flex Reference		
Met-Hgb	Methemoglobin	Cooximetry	RT: Siemens CCL: Radiometer	%	Adult: 0.0-1.5	N/A	Manual ABL 800 Flex Reference	0.0-30.0	0.0-30.0
O2-Hgb  pCO2  Cord Blood Gas	Oxyhemoglobin  pCO2, Cord Blood Arterial pCO2, Cord Blood Venous	Cooximetry  Potentiometric	RT: Siemens	% mmHg	Adult: 94-98  Cord Blood <u>Arterial</u> : 41-58  Cord Blood <u>Venous</u> :	N/A N/A	Manual Tietz 4th Edition	0-100 5-115	0-100 5-115
pH Cord Blood Gas	pH, Cord Blood Arterial pH, Cord Blood Venous	Potentiometric	Radiometer	pH	33-44 Cord Blood Arterial: 7.23-7.33 Cord Blood Venous:	N/A	Tietz 4th Edition	6.80-8.00	6.80-8.00
pH, Pleural Fluid	Fluid pH	Potentiometric	Radiometer	pH	7.30-7.40 N/A	N/A	N/A	6.80-8.00	6.80-8.00
pO2 Cord Blood Gas	pO2, Cord Blood Arterial pO2, Cord Blood Venous	Amperometric	Radiometer	mmHg	Cord Blood <u>Arterial</u> : 12-24 Cord Blood <u>Venous</u> : 23-35	N/A	Tietz 4th Edition	0-700	0-700
Acetaminophen Level	Tylenol, Datril, Tempra, Liquiprin, Tenlap	Enzyme Immunoassay	Beckman	mcg/mL	25-35 Therapeutic: 10.0 - 32.0	>150 after 4 hours of ingestion	Applied Pharmacokinetics: Principles of Therapeutic Drug Monitoring, 2nd Edition 2002 Applied Therapeutics, Inc. and Micromedex On OSU Intranet.	10.0-200.0	10.0-600.0
ALT	SGPT, Alanine Aminotransferase	Transfer of the amino group from alanine to α-oxoglutarate to form pyruvate and glutamate. The pyruvate enters a lactate dehydrogenase (LD) catulyzed reaction with NADH to produce lactate and NAD+. The decrease in absorbance due to the consumption of NADH is measured at 340m and is proportional to the ALT activity in the sample.	Beckman	UL	18+ years: Femals: 9-48 Male: 10-52	N/A	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999 (Lower end of reference range modified to agree with the linear limits.)	3.500	3-25,000

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Acetone, Serum, Ketones	Beta Hydroxybutyrate	D-3 Hydroxybutyrate in the presence of NAD gets converted to acetoacetate and NADH. NADH produced reacts with NT in the presence of diaphorase to produce color at 505nm. Absorbance is proportional to B-hydroxybutyrate in sample.	Beckman	mmoVL	0.02-0.27	≥1.20	Stanbio - Package Insert	0.10-8.00	0.10-24.00
Albunia	N/A	This Albumin method is a modification of the Doumss and Rockley procedure stillzing a different buffering system. At pH 4.2, bromocresol green reacts with albumin to form an intense green complex. The absorbance of the albumin-BCG complex is measured bischrosutedly (local to the albumin concentration in the albumin concentration in the albumin concentration in the sample.	Beckman	g'dL	19+ years: 3.5-5.0	N/A	OSUWMC Reference Range Study offective 12.11.2013: Pediatric Reference Ranges, Soldin, 1999. Synchron Performance Verification Manual A22219	1.5-6.0	1.5-18.0
Albumin, Body Fluid	N/A	See ALB	Beckman	g/dL	Peritoneal and Pleural: Differences between serum-fluid gradients of >1.2 g/dL indicate transudates while differences ≤1.2 g/dL indicate exudates.	N/A	Roth, B.J., et.al. Chest, Vol 98, 546-549, 1990	1.5-6.0	1.5-6.0
Albumin, CSF	Microalbumin, CSF	Turbidimetry	Beckman	mg/dL	10.0-30.0	N/A	CCLM Vol 54 issue 2 p285-292 Feb 2016	1.0-45.0	1.0-450.0
Alcohol (Ethanol), Blood	Serum Alcohol	Based on an enzymatic reaction 4 Reagent 1 contains the buffering system. Reagent 2 contains alsohold delytogenase (ADB), the coenzyma encotamatic delytogenase (ADB), the coenzyma effective fine contains (ADA), buffer, grant for the contains of enty slecked to exclude the office of the contains of enty slecked to excludelyte the excludents of enty slecked to excludelyte fine reaction, NAD is reduced to NADH. The irreruse in also office of the contains of slecked to the contentration of slexibol in the specimen.	Beckman	mg/dL	<10	≥300	N/A	10-600	10-600
Alk Phosphatase	ALP	This ALP procedure is based on the method developed by Bowers and McComb2 and has been formulated as recommended by the AACC and IFCC3. Alsalme phosphatase activity is determined by measuring the rate or processing the rate of the processing the rate of 2-min-2-methyl-li- propuned (AMP) at pH 10.4.	Beckman	U/L.	19+ years: 32-126	N/A	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999-5ynchron Performance Verification Manual A22219	5-1,500	5-15,000
Alpha 1 Antitrypsin	N/A	Turbidimetry	Beckman	mg/dL	84-218	N/A	Package Insert	30-500	30-5,000
Ammonia	Ammonia, Venous	Direct enzymatic procedure based on the following reaction sequence:—Othermate debydrogenase (GLDH) M14 + c-ketoghutaret + NADH + 120. The reagent contains LDH in excess, to rapidly reduce endogenous pyruviase so that it does not interfere with the assay system: reagent also incorporates a patented stabilization process which renders the reagent stable in the liquid phase.	Beckman	umol <sup>s</sup> L	6.0-47.0	N/A	Package Insert	10.0-600.0	10.0-3,000.0
Ammonia, Arterial	N/A	Direct enzymatic procedure based on the following reaction sequence: Ohimmate delydrogumes (CEIN) MH = 1.  Glatemate = NAD = H2O. The targent continue IDH in excess, to repidly reduce endogenous provises to that does not interfere with the assay systems reagent also incorporates a patiented stabilization process which reduceds the reagent stabilization process which reduceds the reagent stable in the liquid phase.	Beckman	umoliL	6.0-47.0	N/A	Package Insert	10.0-660.0	10.0-3,000.0
Amylase	N/A	The release of 2-chloro-4- nirophenol (CNP) from the substrate and the resulting absorbance increase per minute is directly related to the α- Amylase activity in the sample. The resulting increase in absorbance can be measured spectrophotometrically at 410/480mm.	Beckman	U/L.	19+ years: 20-103	0-18 years: ≥400 19+ years: ≥500	OSU validated 48 outpatients from Family Practice See Method Val binders. Pediatric Reference Ranges, Soldin, 1999	10-2,000	10-10,000
Amylase, 24 Hour Urine	N/A	See Amylase	Beckman	U/24 hrs	24 hour sample: 0-400	N/A	OSU validated 48 outpatients from Family Practice. See Method Validation binders.	N/A (calculation)	N/A (calculation)
Amylase, Body Fluid	N/A	See Amylase	Beckman	U/L	Pleural: Fluid amylase measurements greater than the reference interval for serum or a fluid to serum amylase ratio greater than 1.0 may suggest acute pancreatitis, chronic pancreatic pleural effusion, or esophageal leakage.	N/A	Method Vahdation binders.  State of the art. The pleura Sahn SA Am Rev Respir Dis. 1988;138(1):184.	10-2,000	10-100,000
Amylase, Urine Random	N/A	See Amylase	Beckman	U/L	None established	N/A	N/A	10-1,500	10-75,000
Anion Gap	Gap	Calculation: ANION GAP=(NA+K)-(CL+CO2)	N/A	mmol/L	7-17	N/A	OSUWMC Study 2015	N/A	N/A
Anti Streptolysin O  AST	N/A  SGOT, Aspartate Aminotransferase	Turbislimetry  Catalyzes the transamination of appartitue and ex-oxoglutariae, forming 1-glutamate and oxalectatic. The considerate is then endoaced to 1-enables by malte deshydeogenase, while NADH is simultaneously converted to NADT: The decrease in absorbance due to the consumption of NADT is measured at 340 nm and is proportional to the AST activity in the sample.	Beckman  Beckman	IUmL U/L	<250	N/A	Package Insert  OSUWMC Reference Range Study effective 12.1.2013. Pediatric Reference Ranges, Soldin, 1999	100-1,000 3-1,000	100-10,000 3-50,000

Beta HCG Quant, Blood	Quantitative Scrum Pregnancy Test	Two-six sandwich immunossay using direct chemilaminomatic schoology with paramagnetic particles as the solid plase and cardinium ester as the label.	Siemens	niU/mL	Non-prognant: <10.0 Postmonopusal: <10.0 2-4 Weeks: 39.1 - 8,388.0 5-6 Weeks: 86.10 - 88,769.0 6-5 Weeks: 8.610 - 88,769.0 1-10 - 244,467.0 10-12 Weeks: 18,700.0 - 244,467.0 10	N/A	Advis Centaur Assay Manual, Total HCG 10634917 EN Rev. F, 2011-04	2.6-1,000.0	2.6-dilute to obtain numeric result
B-hCG Qualitative, Blood	Serum Pregnancy Test	Lateral-flow test using a monoclonal antibody specific to the beta subunit of hCG.	Alere	Qualitative	Non-pregnant = Negative Pregnant = Positive	N/A	Package Insert	Positive Negative	Positive Negative
Bicarbonate, Fluid	FCO2, CO2 Fluid	See CO2	Beckman	mmol/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	N/A	5-45	5-90
Bilirubin - Baby	Bilirubin, Total (Neonatal)	A stabilized diazonium salt, 3,5- dichlorophenyldiazonium tetrafluoroborate (DPD), reacts with bilirubin to form azobilirubin which absorbs at 570/660 nm.	Beckman	mg/dL	0 Days: 1.4-8.7 1 Day: 3.4-11.5 3 Days: 1.5-12.0 5 Days: 0.3-1.2 1 Year: <1.5	<u>&lt;1 year:</u> ≥14.0	Clinical Guide to Laboratory Tests, Kaplin, 2003	0.1-30.0	0.1-90.0
Bilirubin Direct	BILD	Direct (conjugated) bilirubin couples directly with a diazonium salt of 3,5-dichloroamline (DPD) in an acid medium to form azobilirubin. The direct bilirubin in serum is directly proportional to the color development of azobilirubin which is measured bichromatically at 570/660 nm.	Beckman	mg/dL	All: < 0.3	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	0.1-10.0	0.1-20.0
Bäirubin Total	BILT	A stabilized diazonium salt, 3,5- dichlorophenyldiazonium tetrafluoroborate (DPD), reacts with bilirubin to form azobilirubin which absorbs at 570/660 nm.	Beckman	mg/dL	Adult: <1.5	N/A	Clinical Guide to Laboratory Tests, Kaplin, 2003	0.1-30.0	0.1-90.0
Bilirubin, Total, Fluid	FBILT	A stabilized diazonium salt, 3,5- dichlorophenyldiazonium tetrafluoroborate (DPD), reacts with bilirubin to form azobilirubin which absorbs at 570/660 nm.	Beckman	mg/dL	Peritoneal: Elevated peritoneal bilirubin may suggest bile within the abdomen.	N/A	Ascetic fluid bilirubin concentration as a key to choleperitoneum. Runyon BA J Clin Gastroenterol. 1987;9(5):543.	0.1-30.0	0.1-90.0
B-Type Natriuretic Peptide	BNP	Two site sandwich immunoassay using direct chemiluminescent technology which uses constant amounts of two monoclonal antibodies.	Siemens	pg/mL	All: 0-100	N/A	Advia Centaur Assay Manual, BNP 10629823_EN Rev. P, 2011-07	2-4,500	2-4,500
BUN	N/A	Urea is hydrolyzed enzymatically by urease to yield ammonism and carbon discide. The ammonism and carbon discide. The ammonism and carbon discide the converted to glutamatic in a reaction catalyzed (GLDB), Simultaneously, at ANAH is oxidated 3.4.5 Two molecules of NADH are oxidated for each molecule of urea hydrolyzed. The rate of urea hydrolyzed. The rate of urea hydrolyzed. The rate of urea hydrolyzed and the second to the disappearance of a Month, as directly proportional to the BIN concentration in the sample.	Beckman	mgʻdL	Alt 7-22	≥101	OSUWMC Reference Range Study effective 12.11.2013	2-130	2-650
C Reactive Protein	N/A	Measurement of the rate of decrease in light intensity transmitted (increase in			All: <10.00		Clinical Guide to Laboratory Tests, Tietz, 2005		
C Reactive Protein For Cardiac Risk	CRPR, CRP High Sensitivity	absorbance) through particles suspended in solution is the result of complexes formed during the immunological reaction between the CRP of the	Beckman	mg/L	All: Non Specific: >10.00 High: >3.00 Average: 1.00-3.00 Low: <1.00	N/A	Beckman Coulter CRP Latex package insert; BAOSR6x99.04, 1.2012	0.20-80.00	0.20-480.00
C3 Complement C4 Complement	C3 C4	Turbidimetry Turbidimetry	Beckman Beckman	mg/dL mg/dL	87-200 18-52	N/A N/A	Package Insert. Verified by OSU Study. OSU Study	15-500 8-150	15-1,500 8-450
CA 125	CA125N	Two-site sandwich immunoassay using direct chemiluminometric technology	Siemens	U/mL	All: ≤30	N/A	Advia Centaur Assay Manual, CA 125II 128516 Rev. H, 2009- 02	2-600	<2-dilute to obtain numeric result
CA 19-9	N/A	Two-site sandwich immunoassay using direct chemiluminometric technology	Siemens	U/mL	All: ≤37.00	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; see Source link for additional Reference Range information	15.00-700.00	15.00 - dilute to obtain numeri result
CA27.29 (Breast Carc Assoc Ag)	CA2729	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	U/mL	All: ≤38.6	N/A	Advia Centaur Assay Manual, BR (CA 27.29) 116751 Rev. J, 2009-07	3.5-450.0	3.5-dilute to obtain numeric result
Culcium	CA	Calcium ions (Ca2+) reacting with Arsenazo III (2,2*-[1,8*-Dilydroxy-3,6-disulphonaphthytene-2,7-biazo)-bisbenzenear-sonic acidy to form an intense purple colored complex. Absorbance of the Ca-Arsenazo III complex is measured bichromatically at 660/700 nm.	Beckman	mg/dL	19+ years: 8.6-10.5	<6.0 and >12.0	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	4.0-18.0	4.0-18.0
Calcium, Urine 24HR	N/A	See Calcium	Beckman	mg/24 hours	100.0-300.0	N/A	N/A	N/A (Calculation)	N/A (Calculation)
Calcium/Creat Ratio, Random Urine	CALCR	See Calcium / Creatinine	Beckman	Ca mg/Creat mg	0-6 months: <0.86 7-18 months: <0.60 19 months-2 years: <0.42 >3 years: <0.22	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	N/A (Calculation)	N/A (Calculation)
	LDL,	Calculation:							

Carbamazepiae Trough Level	CARB	Competition between drug in the sample and drug labeled with the enzyme glacose-6-phosphate dehydrogenase (169FDH) for antibody banding sites. Enzyme activity decreases upon hading to the antibody, so the drug control of the contro	Beckman	mcg/mL	All: 4.0-12.0 (Therapeutic Range)	>15.0	Applied Clinical Pharmacokinetics, 2001 Micromedec, OSU Intranet	2.0-20.0	2.0-100.0
CEA	N/A	Sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	All: ≤5.0	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995. See source link for additional Reference Range information.	0.5-100.0	0.5 - dilute to obtain numeric result
CEA, Fluid	FCEA	Sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; see Source link for additional Reference Range information	0.5-100.0	0.5 - dilute to obtain numeric result
Ceruloplasmin	CERP	Turbidimetry	Beckman	mg/dL	20-60	N/A	OSU Study	6-200	6-4,000
Chloride	CL.	The ISE module for Na*, K*, and C* employs crown ether membrane electrodes for sodium and potassium and a molecular contented PC membrane for chief and a molecular contented PC membrane for chief and the repectific potantial is developed according to the Nerrat Equation for a specific ion. When compared to the Internal Reference Solution, this electrical potential is translated into voltage and then into the ion concentration of the sample.	Beckman	mmol·L	18+ years: 98-108	<75 and ≥130	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	50-200	59-200
Chloride, 24 Hr Urine	UCL, 24	See Chloride	Beckman	mmol/24hrs	110-250	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	N/A (Calculation)	N/A (Calculation)
Chloride, Fluid	FCL	See Chloride	Beckman	mmol/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	N/A	50-200	50-200
Chloride, Random Urine	UCLR	See Chloride	Beckman	mmol/L	Random: None established	N/A	N/A	15-400	15-400
Cholesterol Total	CHOL	Cholesterol esters in serum are hydrohyaed by cholesterol esterase (CHE). The free cholesterol produced is oxidated by cholesterol streams (CHE). The free cholesterol produced is oxidated in the cholesterol produced in the cholesterol production of hydrogen peroxide (FIDO) which conductively counted in the cholesterol production of hydrogen peroxide (FIDO) which conductively counted in the minimum prime and phenol in a minimum prime and phenol in cholesterol prime and phenol prime a	Beckman	mg/dL	19+ years: <200	N/A	Clinical Guide to Laboratory Tests, Tiezz, 1995; Pediatric Reference Ranges, Soldin, 1999	25-700	25-2,100
Cholesterol, Body Fluid	FCHOL	See Cholesterol	Beckman	mg/dL	Pleural: A pleural cholesterol measurement greater than 45 mg/dL is one component of the diagnostic criteria for exudates.	N/A	Diagnostic value of tests that discriminate between exudative and transudate pleural effusions. Primary Study Investigators Heffner JE, Brown LK, Barbieri CA Chest. 1997;111(4):970.	25-700	25-700
ск	Creatine Kinase, CKB	CK reveably estalyzes the transfer of a phosphate group from creating begodies to (ADP) to give creatine and (ATP) as produces. The ATP formed is used to produce glucose-f-phosphate and ADP from glucose-f-phosphate and ADP from glucose-f-phosphate and ADP from glucose-f-phosphate in oxidized by the action of 6th eury mental from the control of the c	Beckman	UIL	19+ years: Female: 30-184 Mais: 30-220	2500	OSUWMC Reference Range Study effective 12.1.2013; Pediatric Reference Ranges, Soldin, 1999	10-2,000	16-200,000
CO2 Total	CO2	Bicarbonate (HCOS <sup>*</sup> ) and phosphoenologynovate (PEP) we convenience of the property of the proportional to the Bicurbonate content of the sample.	Beckman	runol I.	3+ years: 22-30	<10 and >40	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	5-45	5-45
Cortisol	ACTH Stimulation, CORT	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	meg/dL	All: 3.09-22.40	N/A	Advia Centaur Assay Manual, Cortisol 04670726 Rev. G, 2009-12	1.20-70.00	1.20-3,570.00 (Max Dilution 51)

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Creatinine	CREA	This Creatinine procedure is a kinetic modification of the Jaffe procedure, in which creatinine reacts with pierie acid at alkaline pH to form a yellow orange complex. The rate of change in absorbance at 520/80mm is proportional to the creatinine concentration in the sample.	Beckman	mg/dL	19+ years: Female: 0.50 - 1.20 Male: 0.70-1.30	>10.00	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	0.20-25.00	0.20-25.00
Creatinine, 24 HR Urine	UCRE, 24	See Creatinine	Beckman	g/24 hrs	18+ years male: 0.80-2.00 18+ years female: 0.60-1.80	N/A	NKDEP traceable :Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	N/A (Calculation)	N/A (Calculation)
Creatinine, 8 Hour Urine		See Creatinine		mg/dL				1.00-300.00	1.00-900.00
Creatinine Clearance, 8 Hour Urine	8UCR	Calculation Urine Creatinine (mg/dL) X Urine Volume (mL) Serum Plasara Creatinine (mg/dL) x Time (min) *serum/plasma creatinine (CREA) must be collected within +7-24 hours from the time of the urine collection for the calculation to work in LIS	Beckman	mL/Min	N/A	N/A	N/A	N/A	N/A
Creatinine, Body Fluid  Creatinine, Random Urine	FLCREA  UCRER	See Creatinine See Creatinine	Beckman Beckman	mg/dL mg/dL	Peritoneal: Peritoneal fluid urea nitrogen and creatinine levels that are greater than serum levels may imply intraperitoneal leakage of urine outside of the urinary tract. Normal reference intervals for peritoneal creatinine and urea are thought to be equivalent to those of serum.	N/A N/A	Peritoneal fluid urea nitrogen and creatinine reference values. Obstet Gynecol. Manahan KJ, Fanning J. 1999 May:93 (5 Pt 1):780-2.	0.20-25.00	0.20-25.00
Digoxin Level	Lanoxin, DIG	Enzyme Immunoassay	Beckman	ng/mL	0.5-1.0	N/A ≥2.1	Applied Clinical	0.3-5.0	0.3-10.0
Estradiol Enhanced	eE2	Standardization traceable to Isotope Dilution Gas Chromatography- Mass Spectomenty (ID GC-MS). Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and monoclonal antibody labeled with acridinium ester as the chemiluminescent label.	Siemens	pg/mL	(Therapeutic Range)  Male: 19+ years: <11.8-39.8  Adult Female Follicetar Plasse: 19.5-1.44.2  Midcycle Plasse: 63.9-356.7  Lutrat Plasse: 55.8-214.2  Post Menopausal: <11.8-32.2	N/A	Pharmacokinetics, Bauer, 2001  Advia Centuur Assay Manual, Enhanced Estradiol (eE2)104914 Rev. C. 2010. 09 ;Pediatric Reference Ranges, Soldin, 1999	11.8-2,600.0	11.8-2,600.0
Ferritin	FERIB	Two-site sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	Female 20+ years: 10.0-291.0 Male 20+ years: 22.0-322.0	N/A	Advia Centaur Ferritin package insert 111653 Rev. L, 2008-09; Pediatric Reference Ranges, Soldin, 1999	0.5-1,650.0	0.5 -dilute to obtain numeric result
Folate, Serum	FOLSB	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	19+ years: >5.38	N/A	Advia Centaur Assay Manual, Folate 119514 Rev. P, 2010- 01;Pediatric Reference Ranges, Soldin, 1999	0.35-24.00	0.35 - 24.00 dilute to obtain numeric result for specimens from Children's Hospital
FSH	Follicle stimulating hormone	Two-site sandwich immunoassay using direct chemiluminometric technology	Siemens	mlU/mL	Make: <18.1 Female, Follicular: 2.5-10.2 Female, midcycle: 3.4-33.4 Female, Luteal: 1.5-9.1 Female, pregnant: <0.3 Female, post-menopausal: 2.0-116.3	N/A	Advia Centaur Assay Manual, FSH package insert, 111741 Rev. J, 2008-09	0.3-200.0	0.3-200.0
GGT	Gamma Glutamyl Transferase	A modification of the Szasz procedure 2,3 GGT catalyzes the transfer of the gamma- ghitamyl group from the substrate, gamma-ghitamyl-1- curboxy-4-nitroantide, to gbycylegiven, syekling 5-amino-2- nitrobernoste. The change in due to the formation of 5-amino-2-nitrobernoste and is directly proportional to the GGT activity in the sample.	Beckman	UIL	19+ years: 8-64	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; Polistric Reference Ranges, Soldin, 1999 (Lower end of reference range modified to agree with the linear limits)	3-1,200	3-6,000
Glueose	GLUC	Glacone is phosphorylated by heatokinnse (IRK) in the presence of admonise triphosphate (ATP) and magnesium ions to produce (acceptance-of-phosphate (GAP) and adenosine diphosphate (GAP) and adenosine diphosphate (GAP) (Blacos-of-phosphate (GAP) (Blacos-of-phosphate (GAP)) (Blacos-of-phosphate (GAP)) (GAP) (GAP	Beckman	mg/dL	1+ years: 70-99	>1 year: <50 and -400 <1 year: <40 and >200	ADA Standards October 2012, Clinical Guide to Laboratory Tests, Tiezz, 1995; Pediatric Reference Ranges, Soldin, 1999	10-800	19-2,460
Glucose, Body Fluid	FGLUC	See Glacose	Beekman	mg/dL	Peritoneal; Peritoneal glucose concentrations generally remain >50 mg/dt. (2.8 mmol 1); in youtnames bacteria peritonisis but frequently fail below this level in secondard particular. Peritonatida Piniera del peritonisis.  Peritonatida: Peritonida fluid glucose to serum glucose ratios may be un fail to market and the peritonism	N/A	Asciic fluid chemical analysis spotnee, during and after spotnencess bacteria perioninis. Repanology, 1985/2927 Ben-Horin S. Shinfeld A. Kachel E. et al. The composition of normal pericardial fluid and as implications for diagnosing pericardial effluid and simplectations for diagnosing pericardial effluid and simplectations for diagnosing pericardial effluid and simplectations for diagnosing pericardial effluidos. Am J Med 2005;118:636–64. Meyers DG, Meyers RE, Prendergast TW.	10-800	10-800
Glucose, CSF Haptoglobin	CFG HAP	See Glucose Turbidimetry	Beckman Beckman	mg/dL me/dL	All: 40-70 44-215	<30 and >300 N/A	Clinical Guide to Laboratory Tests, Tietz, 1995 Package Insert	10-800 30-400	10-800 30-1,200
hCG Qualitative, Urine	HAP Urine Pregnancy Test	Lateral-flow test using a monoclonal antibody specific to	Alere	mg/dL Qualitative	Non-pregnant = Negative Pregnant = Positive	N/A N/A	Package Insert  Package Insert	Positive	Positive
	1	the beta subunit of hCG.		1	regnant - rosnive	<u> </u>	1	Negative	Negative

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	hCG, Quant (Tumor Marker)	HCGTM	Two-site sandwich immunoassay using direct chemiluminometric technology with paramagnetic particles as the solid phase and acridinium ester as the label.	Siemens	mIU/mL	<10.0	N/A	Advia Centaur Assay Manual, Total HCG 10634917_EN Rev. F, 2011-04	2.6-1,000.0	2.6-dilute to obtain numeric result
	HDL Cholesterol	HDL	In phase one, free cholesterol in non-HDL-lipoproteins is solubilized and consumed by cholesterol odiac, peroutalse, and DFSBmT to generate a concentration of the control	Beckman	mg/dL	20+ years: 240	N/A	NCEP Guidelines	3-200	3-600
ſ	High-Sensitivity Troponin-I (Single Order)	HSTI1, Troponin I, Trop I	Three-site sandwich immunoassay using direct		_	Female: <34	≥3000 first time in 24 hours	Atellica IM 11200498_EN Rev.	3-25.000	3-500,000
İ	High-Sensitivity Troponin I (Serial Order)	HSTI2, Troponin I, Trop I	chemiluminometric technology with paramagnetic particles as	Siemens	ng/L	Male: <53	AND	06, 2019-06, reference range study	3-25,000	3-500,000
	Homocysteine	HOMCYS	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	umol/L	All: 3.7-13.9	N/A	Advia Centaur Assay Manual, HCY 124489 Rev. G, 2008-10	0.5-65.0	0.5-65.0
Ī	IgA	Immunoglobulin A	Turbidimetry	Beckman	mg/dL	Adult 19-60Y: 66-433	N/A	Package Insert	10-700	10-14,000
Ī	IgG	Immunoglobulin G	Turbidimetry	Beckman	mg/dL	Adult 19-60Y: 600-1,714	N/A	OSUWMC Immunoglobulin Reference Range Study	75-3,000	75-60,000
Ī	IgM	Immunoglobulin M	Turbidimetry	Beckman	mg/dL	Adult 19-60Y: 45-281	N/A	Package Insert	20-500	20-50,000
	Iron	N/A	TPIZ [2,4,6-Tri-2-pyridy])-5- trizzine] as the chromogen 3 fir an acide medium, transferris- bound sen dissociates into free ferric ions and apo-transferrin. Hydrochloric acid and sodium accorbate reduce the ferric ions to the ferrous state. The ferrous ions then neat with TPIZ to form a blue colored complex which can be measured belcromatically at 600 800 mm. The increase in abordance is directly proportional to the amount of transferrin bound iron present.	Beckman	meg/dL	19+ years: 40-174	N/A	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	19-1,000	10-2,000
	Lactate Dehydrogenase	LD	Utilizes the forward reaction of lastate to pyruvate. Lastate and NAD are converted to pyruvate and NADH catalyzed by LD. NADH strongly absorbs light at 340 nm, whereas NAD does not. The rate of change of absorbance at 340 nm is directly proportional to the LD activity in the sample.	Beckman	U/L	19+ years: 100-190	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	25-1,200	25-60,000
	Lactate Debydrogenase Body Fluid	FLLD	See Lactate Dehydrogenase (LD)	Beckman	UL	Contamination with red blood cells can falsely increase LDH measurements. Elevated LDH in measurements are consistent of the consequence of the co	N/A	Clinical Utility of Biochemical Analysis of Cerebroopinal Flaid Clinical Chemistry 1959 Watson MA  The usefulness of dagnostic tests on pericardial fluid. Chest 1997;11:1213–21.  Pleural effusions: the diagnostic expension of ramoulties and exadense. Light RW, Macquego ML, Luching PC, Ball W Li Ann Intern Med. 1972;77(4):507.	25-1,200	25-30,000
	Lactate, Blood	Lactate, Plasma	L-lactate is oxidized to pyravate and hydrogen peroxide by lactate oxidase (LOD). A colored product conduced produced produced by the exection of peroxidas (POD), hydrogen peroxide, 4-aminosity-price and a hydrogen donor (TOOS). The colored product is measured photometrically. The colored intensity is proportional to the concentration of lactation the sample under examination.	Beckman	mmol/L	All: 0.5-2.2	25.0	Beckman Coulter Literature (IFU) which Guides to Tatz, Nr. Mr. (IFU) which Guides to Tatz, Nr. Mr. Tests, 37H Edition, W. B. Saunders, Phys. Rev. Mr. (1995).	0.2-10.0	0.2-30.0
Ī	Lactate, CSF	CSLACT	See Lactate	Beckman	mmol/L	Adult: <2.8	N/A	Beckman Coulter literature which cites Clinical Guide to	0.2-10.0	0.2-30.0
٠	Lactate, Fluid	FLACT	See Lactate	Beckman	mmol/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	Laboratory Tests, Tietz, 1995 N/A	0.2-10.0	0.2-30.0
	LDL, Direct Measure	LDLB, Low-Density Lipoprotein Chokesterol	Cholesterol is consumed by cholesterol externee, cholesterol oxidane, protectine and 4-minoattrywine to generate a colorless ond product. In phase cholesterol from the LDL—inpoproteins—This cholesterol externee, cholesterol from the LDL—inpoprotein—This cholesterol externee, cholesterol from the LDL—inpoprotein—this cholesterol externee, cholesterol brish cholesterol externee, cholesterol which can be measured bichromatically at \$400 feblums. The resulting increase in the cholesterol cholesterol externee in the cholesterol exter	Beckman	mg/dL	Adult optimal : <100	N/A	NCEP Guidelines	7-460	7-1,200

LH	Luteinizing Hormone	Two-site sandwich chemiluminescent immunological reaction with para-magnetic particle as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	mlUmL	Male 20-70 years:  Male >70 years:  Male >70 years:  Children:  Ch	N/A	Advis Centuur Assay Manual, LH 111736 Rev. L. 2008. 09.Pediutirs. Refrance Ranges, Soldin, 1999	0.7-200.0	0.7-200.0
Lipase	LIPA	Colorimetric method of Immunr., et al. Il Pancentic Ilgase hydrolyse sectors of Ing chain farty acuts from their raphyerisch. The enzyme are consistent of the colorimetric respective for the colorimetric respective for co-leave 1.2-Diplyceric is hydrolysed to 2-monoglyceric is then measured by complet enzyme reactions catalyzed by monoglyceric liquid (MGL) py dycerol kinase (MGL) py dycrol kinase (MGL) py dycr	Beckman	UL	19+ years: 11-82	N/A	Bockman Couler Chemistry Information Sheet, 12/1998; Pediatric Reference Ranges, 1999	6-600	6-6,000
Lipase, Fluid	N/A	See Lipase	Beckman	U/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	N/A	6-600	6-600
Lipid Panel With Reflex To Measured LDL	Lipid Screen, LIPDR	See individual testing	See individual testing	Varies	Varies	N/A	N/A	N/A	N/A
Lipul Panet With Rettex to Measured LDL  Lithium Level	Lipid Screen, LIPDR	methodology A spectrophotometric method which can be readily adapted to automated clinical chemistry analyzers. Lithium present in the sample reacts with a substituted porphyrin compound at an alkaline pH, resulting in a change in absorbance which is directly proportional to the concentration of Lithium in the sample.	methodology  Beckman	varies mmol/L	All: 0.60-1.20 (Therapeutic Range)	N/A >1.50	N/A  Applied Clinical  Pharmacokinetics, Bauer, 2001; Clinical Pharmacokinetics, Eilers, 1995;29-442-50	N/A 0.10-5.00	N/A 0.10-5.00
Magnesium	MG	Utilizes a direct method in which magnesium forms a colored complex with xylidyl blue in a strongly basic solution, where calcium interference is eliminated by glycoletherdiamine N,NN.N° 4 estranectic acid (GEDTA) 3.4.5 The color produced is measured bichromatically at \$20.000 nm and is proportional to the magnesium concentration.	Beckman	mg/dL	19+ years: 1.6-2.6	<1.0 and >4.4	Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	0.5-8.0	0.5-24.0
Magnesium, 24Hr Urine	UMG, 24	See Magnesium	Beckman	mg/24hrs	72.9-121.5	N/A	Clinical Guide to Laboratory	N/A	N/A
Magnesium, Urine, Random	N/A	See Magnesium	Beckman	mg/dL	N/A	N/A	Tests, Tietz, 1995 N/A	(Calculation) 0.5-10.0	(Calculation) 0.5-100.0
Microalbumin, Random Urine Microalbumin, 24HR Urine	MALBR N/A	Turbidimetry Turbidimetry	Beckman Beckman	mg/L mg/24 hours	N/A ≤30.0	N/A N/A	Package Insert Package Insert	7.0-450.0 N/A	7.0-4,500.0 N/A
Microalbumin/Creatinine Ratio (ACR)	N/A	Turbidimetry	Beckman		≤30.0	N/A	Package Insert	(Calculation) N/A	(Calculation) N/A
Mononucleosis Screen	Mononucleosis Testing, Rapid	One-step antibody test using solid-phase immunosssay technology for the qualitative detection of infectious monoucleosis heterophile antibodies.	Alere Acceava	mg/g Qualitative	All: Negative	N/A	Alere Acceava Mono Package Insert	(Calculation)  Positive / Negative	(Calculation)  Positive / Negative
Osmolality	Osmolality, Serum	Freezing point depression.	Advanced Instrument Osmometer	mOsm/kg	278 - 305	<250 and >325	OSU, In House Reference Range Validation, 2017	50-2,000	50-2,000
Osmolality, Fluid	FOSMO	Freezing point depression.	Advanced Instrument Osmometer	mOsm/kg	N/A	N/A	N/A	50-2,000	50-2,000
Osmolality, Serum (Calculated)	Osmolality	Calculation (1.86 (Na +K) + 1.15 (Glucose/18) + (Urea/2.8) + 14	Beckman	mOsm/kg	278-305	N/A	OSU, In House Reference Range Validation, 2015	N/A	N/A
Osmolality, Urine	UOSMR	Freezing point depression.	Advanced Instrument Osmometer	mOsm/kg	All: 300-900	N/A	Clinical Guidelines for Laboratory Tests, Tietz, 1995	50-2,000	50-2,000
Phenobarbital Level, Random	PHNOR	The assay is based on competition between drug in the sample and drug labeled with the enzyme glaces of phosphate druly algorithms of the drug labeled with the enzyme glaces of phosphate druly suggested on the control of the enzyme glaces of the enzyme of the enzyme converted in the sample on he measured in terms of enzyme converted microfinamide adenite druly. Active enzyme converte microfinamide adenite drule enzyme	Beckman	meg'ml.	All: 15.0-40.0 (Therapeutic Range)	<b>≥45.0</b>	Applied Clinical Pharmacokinetics, 2001	5.0-80.0	5.0-240.0
Phenobarbital Level, Trough	PHNO	The assay is based on competition between drug in the sample and drug labeled with the enzyme glouce-6-phosphate debythogenase (GoFPH) for antibody binding sites. Enzyme activity decreases upon binding to the antibody, so the drug concentration in the sample came because of the control of the control of the antibody. Active enzyme converts nicotinamide admine denine demined to the control of t	Beckman	mcg/mL	All: 15.0-40.0 (Therapeutic Range)	>45.0	Applied Clinical Pharmacokinetics, 2001	5.0-80.0	5.0-240.0

Phenytoin Total Level	PTN	The assay is based on competition between drug in the sample and drug labeled with the enzyme glacose-of-phosphate enzyme glacose-of-phosphate and the property of the competition of the enzyme glacose underly decreases upon binding to the antibody, so the drug concentration in the sample can be measured in terms of enzyme activity. Active enzyme converts oxidized nicotinamide adenine dismechastic (NAD) to NDIH, resulting in an absorbance change that is measured spectrophotometrically.	Beckman	megimI.	All: 100-20.0 (Therapeutic Range)	<b>222.0</b>	Applied Clinical Pharmacokinetics, 2001	2.5-40.0	2.5-200.0
Phosphate, Inorganic	IP	Inorganic phosphate reacts with molybdate to form a heteropolyacid complex. The use of a sufficiant eliminates the need to prepare a protein free fillrate. The absorbance at 340/380 mm is directly proportional to the Inorganic Phosphorus level in the sample.	Beckman	mg/dL	19+ years: 2.2-4.6	<1.0 and >10.0	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	1.0-20.0	1.0-60.0
Phosphorus, 24Hr	UIP, 24	See Phosphorus	Beckman	g/24hrs	0.4-1.3	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	N/A (Calculation)	N/A (Calculation)
Phosphorus, Random Urine Potassium	UPR K	See Phosphorus  The SE module for Na+, K+, and CL -employs crown ether membrane electrodes for sodium and potessium and a molecular contented PVC membrane for etherise that are specific for eitherise that are specific for section of the section of the specific in the section of the Nernst Equation for a specific in. When compared to the Internal Reference Solution, this electrical potential is translated into voltage and then into the ion concentration of the sample.	Beckman  Beckman	mgdL	N/A N/A 18+ years 3.5-5.0	N/A  >18Y: <3.0 and >6.0  1-18Y: <3.0 and >6.0  <1Y: <3.0 and >7.0	N/A  OSUWMC Reference Range Study effective 12.11.2013; Pediatrix Reference Ranges, Soldin, 1999	1.0-200.0	10.0-1,000.0
Potassium Body Fluid	FK	See Potassium	Beckman	mmol/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	N/A	2.0-200.0	2.0-200.0
Potassium, 24 Hr Urine	UK, 24	See Potassium	Beckman	mmol/24hrs	25-125	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	N/A (Calculation)	N/A (Calculation)
Potassium, Random Urine	UKR	See Potassium	Beckman	mmol/L	N/A	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	2.0-200.0	2.0-200.0
Prealbumin	PALB	Turbidimetry	Beckman	mg/dL	17-34 Male:	N/A	Package Insert	3-80	3-1,600
Progesterone	PROG	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	0.28-1.22 Female, follicular: Not detected-1.40 Female, luteal: 3.34-22.56 Female, mid-luteal: 4.44-28.03 Female, post-menopausal: Not detected-0.73	N/A	Advia Centaur Assay Manual, Progesterone 118696 Rev. P, 2010-06	0.21-60.00	0.21-300.00
Prolactin	PROL	Two-site sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid plasse, and actifinium setter as the chemiluminescent label.	Sirmens	ngimL	Males: 2,1-17,7 Female, nonpregunat: 2,8-29,2 Female, pregunat: 9,7-208,5 Female, protraceopususi: 1,8-20,3 ΔE <2 years: 3,3-14,7 2-4 years: 1,0-12,8 6-11 years: 1,2-11,4 11-18 years: 1,4-14,3	N/A	Advia Centaur Assay Manual, Prolacin 111746 Rev. N. 2008- 09; Pediatric Reference Intervals, 5th ed Soldin, 2005	0.3-200.0	0.3 - Dilute to Obtain Numeric Result
Protein Total	TP	Cupric ions in an alkaline solution react with proteins and polypeptides containing at least two peptide bonds to produce a violet colored complex. The absorbance of the complex at \$40/660m is directly proportional to the concentration of protein in the sample.	Beckman	g/dL	19+ years: 6.4-8.3	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	3.0-12.0	3.0-24.0
Protein, 24 Hr Urine	UPRO	See Total Protein CSF (M-TP)	Beckman	mg/24hrs	40-225	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	N/A (Calculation)	N/A (Calculation)
Protein, CSF	CFP	The Urinary/CSF Protein reagent is a colorimetric method. Pyrogallol red is combined with molybdate to form a red complex with a maximum absorbance at 470mm. The assay is based on the shift in the progallol red-molybdate complex binds basic amino groups of protein molecules. Under the conditions of the test in the presence of protein, a blue purple complex is formed with a maximum absorbance at 600mm.	Beckman	mg/dL	31+ Days: 15-45	N/A	Clinical Guide to Laboratory Tests, Tiezz, 1995; Pediatric Reference Ranges, Soldin, 1999	4-200	4-5,000
Protein, Fluid	FLP	Cupric ions in an alkaline solution react with proteins and pohypeptides containing at least two peptide bonds to produce a violet colored complex. The absorbance of the complex at \$40.660m is directly proportional to the concentration of protein in the sample.	Beckman	g/dL	Most transudates have total protein concentrations below 3.0 g/dL.	N/A	4th Edition of Tietz	0.5-12.0	0.5-24.0
Protein, Random Urine	UPROR	See Total Protein CSF (M-TP)	Beckman	mg/dL	N/A	N/A	N/A	4-200	4-5,000
PSA, Screening	EPSA	Two-site sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	Alt ≤4.00	N/A	Advia Centaur Assay Manual, PSA 10994905_EN Rev. U, 2017-08	0.06-100.00	0.06 - dilute to obtain numeric result
		Two-site sandwich chemiluminescent immunological reaction with	Siemens	ng/mL	All: ≤4.00	N/A	Advia Centaur Assay Manual, PSA 10994905_EN Rev. U,	0.06-100.00	0.06 - dilute to obtain numeric

PSA - Tumor Marker	PSATM	Two-site sandwich chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	Alt ≤4.00	N/A	Advia Centaur Assay Manual, PSA 10994905_EN Rev. U, 2017-08	0.06-100.00	0.06 - dilute to obtain nume result
Rheumatoid Factor	RF	Turbidimetry	Beckman	IU/mL	≤14	N/A	Package Insert. Verified by OSU Study.	10-120	10-3,000
Salicylate Level	Aspirin	Semm is mixed with Reagent 1, which contains antibodies to sale; which contains antibodies to sale; which contains antibodies to sale; which contains all the sale of the sale	Beckman	mg/dL	Therapeutic: 20.0-30.0	>30.0	Applied Pharmacokinetics. Principles of Therapestic Drug. Applied Therapeutics Drug. Applied Therapeutics, Inc. and Micromodes. On OSU Intranst.	5.0-80.0	5.0-240.0
Sodium	Nat	The ISE module for Na+, K+, and Ct employs crown ether membrane electrods for sodium and potassiam and a molecular and a molecular children for the sodium and potassiam and a molecular children for the specific for each ion of interest in the sample. An electrical potatinal is developed according to the Nermet Equation for a specific ion. When compared to the Internal Reference Solution, this electrical potential is translated in voltage and then into the ion concentration of the sample.	Beekman	mmol/L	1+ years: 133-143	<125 and >160	Internal study, 2012 (see file); Pediatric Reference Ranges, Soldin, 1999	50-200	50-200
Sodium Body Fluid	FNA	See Sodium	Beckman	mmol/L	The reference range and other method performance specifications have not been established for this fluid specimen.	N/A	N/A	50-200	50-200
Sodium, 24 Hr Urine Sodium, Random Urine	UNA, 24 UNAR	See Sodium See Sodium	Beckman Beckman	mmol/24hrs	40-220 N/A	N/A N/A	Clinical Guide to Laboratory Tests, Tietz, 1995 N/A	N/A (Calculation) 10-400	N/A (Calculation) 10-400
T3 Free	FT3	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	mmoVL pg/mL	19+ years: 2.3-4.2	N/A	Advia Centaur Assay Manual, FT3 10629863_EN Rev. J, 2011-03	1.4-20.0	1.4-20.0
T3 Total (Triiodothyronine)	T3, T3RIA	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/mL	19+ years: 0.60-1.81	N/A	Advia Centaur Assay Manual, T3 111634 Rev. L, 2008-09	0.10-8.00	0.10-8.00
T4	Thyroxine, Total	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	mcg/dL	19+ years: 4.5-10.9	N/A	Advia Centaur Assay Manual, T4 111619 Rev. L, 2008- 09;Pediatric Reference Ranges, Soldin, 1999	0.4-30.0	0.4-30.0
T4 Free	Thyroxine, Free FT4	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	ng/dL	19+ years: 0.89-1.76	≥4.50 (ED Only)	Advia Centaur Assay Manual, FT4 04662499 Rev. D, 2009- 06;Pediatric Reference Ranges, Soldin, 1999	0.40-6.00	0.40-6.00
Testosterone	TESTOS	Chemiluminescent	Siemens	ng/dL	Male: 87-814 Female: <48 (Female free testosterone = 0.08-0.5 ng/dL)	N/A	Advia Centaur Assay Manual, Testosterone II 10998603_EN Rev. B, 2016-07	7-1,500	7-7,500
Theophylline Level	ТНЕО	Based on competition between drug as the sample and drug labeled with the curyous phroses 6-phosphate delpydrogenuse (GOPDH) for anthody inding sites. Enzyme activity decreases upon binding to the anthody, so the drug concentration in the sample can be measured in terms of enzyme activity. Active enzyme converts outliered nicotionamide adenine demiceduside (AOI) to NADIH, resulting in an absorbance change that is measured spectrophotometrically.	Beckman	meg/mL	Adult: 5.0-20.0 (Therapeutic Range)	≥30.0	Applied Clinical Pharmacokinetics, 2001	2.5-40.0	2.5-200.0
Tobramycin Level, Random	TOBR	This many is based on competition for analody binding and the sample and drug labeled with the enzyme glacose-phosphate delydrogenase (GePDH). Enzyme actively decreases upon binding to the anibody, so the Enzyme activity decreases upon binding to the anibody, so the measured in terms of convent outdood in terms of convent outdood in circumstate administration of the convent outdood circumstate and convents outdood circumstate and circumstate administration of the convents of the convents outdood circumstate and circumsta	Beckman	megimL	Displays in Comment Field: Peak 10:0-15:0 Trough <1.0	≥20.0 Peak	Antimicrobial Stewardship Program, 2013	0.6-10.0	0.6-50.0

Tobramycin Level, Extended Interval	TOBREI	This assay is based on competition for antibody binding sates between drug in the sample and drug labeled with the enzyme glacose-fe-phosphate delydrogenase (G6PDH). Enzyme activity decreases upon binding to the antibody, so the facility of the control of the c	Beckman	megimL	Displays in Comment Field: Peak 100-15.0 Trough-1.0	≥20.0 Peak	Antimicrobial Stewardship Program, 2013	0.6-10.0	0.6-50.0
Tobramycin Level, Peak (Post Drug Level)	TOBRPK	This assay is based on competition for antibody binding sales between drug in the sample and drug labeled with the enzyme glacose-phosphate delydrogenase (GGPDH). Enzyme activity decreases upon binding to the antibody, so the factor of the competition of the c	Beckman	meg/mL	All: 10.0-15.0 (Therapeutic Range)	≥20.0 Peak	Antimicrobial Stewardship Program, 2013	0.6-10.0	0.6-50.0
Tobramycin Level, Trough (Pre Drug Level)	TOBRTR	This assay is based on competition for antibody hasting sixels between drug in the sample and drug labeled with the enzyme glacose-phosphate delydrogenase (GFDII). Enzyme activity decreases upon binding to the antibody, so the facility concentration in the sample cam be measured in terms of converte outdired involuments of the converte outdired involuments of the converte outdired involuments and an absorbance change that is measured spectrophotometrically.	Beckman	msg/mL	All: <1.0 (Therapeutic Range)	≥1.0 Trough	Antimicrobial Stewardship Program, 2013	0.6-10.0	0.6-50.0
Total Iron Binding Capacity	Transferrin/Iron Binding	Calculation: See information for Transferrin	Beckman	mcg/dL	19+ years: 250-425	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995; Pediatric Reference Ranges, Soldin, 1999	112-1,118	112-1,118
Transferrin	TRANB	In the procedure, the measurement of the decrease in light transmitted (increase in absorbance) through particles suspended in solution as a result of complexes formed during the antigen-antibody reaction, is the basis of this assay.	Beckman	mg/dL	200-400	N/A	Fundamentals of Clinical Chemistry, Tietz 4th ed	75-750	75-2,250
Triglycerides	TRIG	The glycerol is phosphorylated by adenosine triphosphate (ATP) in the presence of glycerol Jaines (GA) produce glycerol-3-phosphate in outside glycerol-3-phosphate glycerol-3-pho	Beckman	mg/dL	Desimble: <150 Borderline: 150-199 High: 200-499 Very High: 2500	N/A	National Cholesterol Education Project (NCEP) Adult Treatment Protocol (ATP-III) (Circulation, 2021;106-3143- 3421)	10-1.000	10-10,000
Triglycerides, Body Fluid	FTRIG	See TG	Beckman	mg/dL	Fluid triglyceride values greater than 110 mg/df. have been suggested for diagnosis of lymphatic fluid accumulation. Measurement may also be useful in distinguishing cirrhoite versus malignant origins.	N/A	The lipoprotein profile of chylous and nonchylous pleural effusions Stass BA, Ellefon RD, Budahn LL, Dimes DE, Prakash UB, Glofford K Mayo Clin Proc. 1980;55(11):700. Value of ascetic lipids in the differentiation between eirrhotic and malignant ascites. Júngst D, Gerbes AL, Martin R, Paumgatiner G Hepatology. 1986;6(2):239.	10-1,000	10-10,000
тѕи	Thyroid Stirmulating Hormone, TSH High Sensitivity	The ADVIA Centaur TSH3- Ultra assay is a third-generation assay that employs anti-FITC monockenal antibody covalently bound to paramagnetic particles. an FITC-labeled anti-TSH capture monoclonal antibody, and a tracer consisting of a proprising verificiant exter and proprising verificiant exter and conjugated to bovice serum albumin (ISA) for chemiluminsscent detection.	Sirmons	ulU/mL	18+ years: 0.550-4.780	Call abnormal ED only ≥150.000	Advis Centur Anny Manual, TSH3-III. 1062990; EN Rev. E. 201-107, Wa AHB Tier. E. 201-107, Wa AHB Tier. Clinical Guide Laberatory Tests, 4th edition, Elsevier Saunders, St. Louis, 2006, p. 1040. Range information.	0.008-150.000	0.008-150.000
TSH w/FT4 Reflex	TSHQR	The ADVIA Centaur TSH3- Ultra assay is a finel-generation assay that employs anti-FITC monochenal antibody covalently bound to paramagnetic particles, an FITC-labeled anti-SH1 capture monochenal antibody, and a tracer consisting of a proprietary existinam exter and proprietary existinam exter and conjugated to bovine serum albumin (BSA) for chemiluminoccent detection.	Siemens	ulUmL	18+ years: 0.550-4.780	Call abnormal ED only ≥150.000	Advia Centurr Assay Manual, TSH3-HL 10629909 EN Rev. E, 201-107; Wu AHB Tiez Clinical Guide Luberatory Tests, 4th edition, Elsevier Saunders, St. Losis, 2006, p. 1040. Range information.	0.008-150.000	0.008-150.000
Urea Nitrogen, 24 Hr Urine	UUREA	See BUN	Beckman	g/24hrs	10.0-20.0	N/A	Clinical Guide to Laboratory Tests, Tietz, 2012	N/A (Calculation)	N/A (Calculation)

Uric Acid	URICB, UA	Uris acid is converted by uricase to allantoin and hydrogen peroxide. Hydrogen peroxide. Hydrogen peroxide exacts with 4-mainosalityprine (4-AAP) in the presence of N,N-bid+aulifobaphy)3-5-dimethylamiline, disodium salt (MADB) to produce a chromosphere which is read belichromatically at 6608000 nm. The amount of dye formed is proportorstand to the uric acid concentration in the sample.	Beckman	mg/dL	19+ years: Female: 2.8-6.0 Male: 3.5-7.0	N/A	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soddin, 1999	1.5-30.0	1.5-60.0
Uric Acid (Spec Handling)	N/A	Uris acid is converted by uricase to allantoin and hydrogen peroxide. Hydrogen peroxide reacts with 4-aminounterprince (4-Ab) a the presence of N.NAb) and the presence of N.NAbi (4-autichously), 3.5. instehybulines, (solid similar shall (MADB) to produce a chromosphore which is read bichromatically at 660/800 mm. The amount of dye formed is proportional to the uris acid concentration in the sample.	Beckman	mg/dL	19+ years: Female: 23-6-0 Mate: 3.5-7.0	N/A	OSUWMC Reference Range Study effective 12.11.2013; Pediatric Reference Ranges, Soldin, 1999	1.5-30.0	1.5-60.0
Uric Acid, 24Hr Uric Acid, Random, Urine	UURIC, 24 UURICR	See Uric Acid See Uric Acid	Beckman Beckman	g/24hrs	0.3-0.8 N/A	N/A N/A	Clinical Guide to Laboratory Tests, Tietz, 1995 N/A	N/A (Calculation) 1.0-100.0	N/A (Calculation) 1.0-300.0
Uric Acid, Random, Urine Urine Calcium	Calcium, Random Urine	See Calcium	Beckman Beckman	mg/dL mg/dL	N/A N/A	N/A N/A	N/A	0.1-40.0	0.1-120.0
Urine Urea Nitrogen - Random	UREAR	See BUN	Beckman	mg/dL	N/A	N/A	Clinical Guide to Laboratory Tests, Tietz, 1995	20-1,300	20-13,000
Vancomycin Level, Random	VANCTR	Serum is mixed with Reagent 1, which contains vancomycin blacked with the rayme glucose 6-phosphate dehydrogenase (Gr6PDH). Subsequently, Reagent 2, which contains antibodies to watercomycin and the concryme nactionamide deather discontinuous deather democryme in the sample and vancomycin-thebeld Children of the contained from the sample can be measured in terms of enzyme converts outsided NAD to NADH, resulting in an absorbance change flat is measured spectrophotometrically.	Beckman	meg/mL	Peak 20.0-40.0 Trough 10.0-20.0	>25.0 Trough	Applied Clinical Pharmacoknetics, 2001 Clinical Pharmacoknetics, 1995; 1585- 91, Antimicrobial Stewardship Program, 2013	2.0-50.0	2.0-259.0
Vancomycin Level, Trough (Pre Drug Level)	VANCTR	Serum is mixed with Reagent 1, which contains vancomycin labeled with the enzyme glucose of phosphate feldyingensse of phosphate feldyingensse of the phosphate feldyingensse response of the phosphate feldyingensse response of the phosphate feldyingense feldyingense feldyingense phosphate feldyingense fe	Beelman	mcg/mL	All: 10.0-20.0 (Therapeutic Range)	>25.0 Trough	Applied Clinical Pharmacoknetics, 2001 Clinical Pharmacoknetics, 1905; 1535- 91, Antimicrobial avariable 91, Antimicrobial avariable Program, 2013	2.0-50.0	2.0-250.0
Vancomycia, Peak (Post Drog Level)	VANCPK	Serum is mixed with Reagent 1.  which contains vancomeyin labeled with the enzyme glucose of-phosphate deldyrelogenase (G6FDH). Subsequently, Reagent 2, which contains antibodies to vancomeyin and the concryme a rootenamide ademite district (NAD); is a summer of the contraction of the sample can antibody, so the vancomeyers concentration in the sample can enabledy so the vancomeyers concentration in the sample can be measured in terms of enzyme activity. Active enzyme contacted NAD to NADH, confidently of the contraction	Beckman	mcg/mL	All: 20.0-40.0 (Thempeutic Range)	N/A	Applied Clinical Pharmacokaetics, 2001 Clinical Pharmacotherapy, 1995; 15:85- 91	20-50.0	2.0-250.0
Vitamin B12	B12	Competitive chemiluminescent immunological reaction with para-magnetic particles as the solid phase, and acridinium ester as the chemiluminescent label.	Siemens	pg/mL	19+ years: 211-911	N/A	Advia Centaur Assay Manual, VB12 111658 Rev. N, 2008-09; Pediatric Reference Ranges, Soldin, 1999	45-2,000	45-2,000
ADAMTS13 Activity and IgG Antibodies	ADI3A	Activity: ELISA  IgG Antibodies: ELISA	Activity: VersaMax plate reader Technozym kit IgG Antibodies: VersaMax plate reader, Technozym kit	Activity: %  IgG Antibodies: U/mL	Activity: ≥40% IgG Antibodies: ≤12.0 U/mL	N/A	Activity: Technozym kit  IgG Antibodies: Technozym kit	Activity: 2-100% IgG Antibodies: 6.0-104.0 U/mL	Activity: 2-100% IgG Antibodies: 6.0-104.0 U/mL
Alternative Activation Pathway	Bb Complement	ELISA	VersaMax Plate Reader, Quidel kit	ng/mL	695-1,974	N/A	Biomarker Reference Lab	See Quidel kit values (lot number specific)	See Quidel kit values (lot number specific)
EM Platelet (Electron Microscopy)	Tissue Exam	Whole mount	N/A	dg/plt	3.68-6.24	N/A	Old journal articles; lab derived	N/A	N/A
SC5b-9 Complement	Terminal Activation Pathway	ELISA	VersaMax Plate Reader, Quidel kit	ng/mL	6-598	N/A	Biomarker Reference Lab	See Quidel kit values (lot number specific)	See Quidel kit values (lot number specific)
Anti-Cardiolipin Ab, IgG	ACA; ACL; APA; Anti- Phospholipid Antibody IgG	Chemiluminescent two-step immunoassay with paramagnetic microparticles as the solid phase, and a derivative of isoluminol as the chemiluminescent molecule.	lnova	cu	0.0-20.0	N/A	Inova Quanta-Flash Package Insert Verified in house	10.0-500.0	10.0-10,000.0

Anti-Cardiolipin Ab, IgM	ACA; APA; ACL; Anti- Phospholipid Antibody IgM	Chemiluminescent two-step immunoassay with paramagnetic microparticles as the solid phase, and a derivative of isoluminol as the chemiluminescent molecule.	Inova	cu	0.0-20.0	N/A	Inova Quanta-Flash Package Insert Verified in house	10.0-200.0	10.0-4,000.0
Antithrombin	AT	Chromogenic measurement system consisting of a beam of monochromatic light at 405nm. This is a two step thrombin neutralization process.	Stago	%	17+ years: 85-118	N/A	OSU Inhouse Study 02/2004; Blood, Vol 80, 1998-2005, Andrew, 1992; Amer. Jour. Ped. Hematol. Oncol, Vol 12, 95-104, Andrew, 1990	See Stago Unicalibrator assayed values (lot number specific)	9-200
Anti Xa DOAC (Apixuban)	Apixaban, DOAC, Eliquis	Chromogenic measurement system consisting of a beam of monochromatic light at 405 mm.	Stago	nginL	Displayed Comment: Routine monitoring of ant XA activity in not recommended in patients on Apripahan. Therapeutic reference ranges have not been established. At steady state-median (5th-95th percentile) peak and trough levels have been observed in clinical trails.	N/A	I. Package insert. Apricabam: Diagnostics Stage, Nevised Diagnostics Stage, Nevised Diagnostics Stage, Nevised Handa A. Quakt. reference guide Manuay 2015 2. Hurst K.V. O'Callaghan JM, Handa A. Quakt. reference guide Manuay 2017; 1306-2567 3. Granger CB, Alexander JH, Manuay 2017; 1306-2567 3. Granger CB, Alexander JM, Manuay 2017; 1306-2567 3. Granger CB, Alexander JM, Manuay 2017; 1306-2567 4. Front C, Nepad JS, Wang J, et al. Sadfoy, pharmacolametics and rainfal fibrillation. N Engl J Med 2017; 1306-2567 5. Agnelli G, Bailler JM, Carlotte Callage, and Callage Stage Callage Callage Stage Callage Callage Stage	23-500	23-500
Anti Xa DOAC (Rivaroxahan)	Rivaroxaban, DOAC, Xarelto	Chromogonic measurement system consisting of a beam of monochromatic light at 405 nm.	Stago	ng/mL	Displayed Comment: Routine monitoring of anti XA activity is not recommended in patients on Rivaroushun. Therapeutic reference ranges have not been established. At steady state-median (5th-95th percentile) peak and trough levels have been observed in clinical traits.	N/A	1. Package moert Krvinroubant Diagnosica Stage, Nevised December 2014 2.	25-500	25-500
Anti Xa LMWH (Enoxaparin) 4 Hr Post	Anti-Xa for LMWH, Peak Dose, AXMLPK	Chromogenic measurement system consisting of a beam of monochromatic light at 405nm.	Stago	Anti-Xa IU/mL	0.60-1.00 (Therapeutic Range: applies to 4 hour post dose collections)	N/A	Chest, vol. 119, issue 1, January 2001, pgs. 64S-75S.	0.10-1.60	0.10-1.60
Anti Xa LMWH (Enoxaparin) Random	Anti-Xa for low molecular weight heparin	Chromogenic measurement system consisting of a beam of monochromatic light at 405nm.	Stago	Anti-Xa IU/mL	0.60-1.00 (Therapeutic Range: applies to 4 hour post dose collections)	N/A	Chest, vol. 119, issue 1, January 2001, pgs. 64S-75S.	0.10-1.60	0.10-1.60
Beta-2 Glycoprotein 1 Ab, IgG	Beta 2 Glycoprotein 1 IgG Antibody	Chemiluminescent two-step immunoassay with paramagnetic microparticles as the solid phase, and a derivative of isoluminol as the chemiluminescent molecule.	Inova	CU	0.0-20.0	N/A	Inova Quanta-Flash Package Insert Verified in house	10.0-500.0	10.0-10,000.0
Beta-2 Glycoprotein 1 Ab, IgM	B2GP1, IgM; Beta 2 Glycoprotein 1 IgM Antibody	Chemiluminescent two-step immunoassay with paramagnetic microparticles as the solid phase, and a derivative of isoluminol as the chemiluminescent molecule.	lnova	CU	0.0-20.0	N/A	Inova Quanta-Flash Package Insert Verified in house	10.0-200.0	10.0-4,000.0
Beta-2 Glycoprotein 1, Domain 1	Beta2 GP1 Domain 1, B2GP1 Dm1, β2GP1 Domain 1, β2GP1 Dm1	Chemiluminescent two-step immunoassay with paramagnetic microparticles as the solid phase, and a derivative of isoluminol as the chemiluminescent molecule.	Inova	CU	0.0-19.9	N/A	Inova Quanta-Flash Package Insert Verified in house	10.0-200.0	10.0-2,000.0
D-Dimer, Quantitative	HSDDI	Immunoturbidimetric - photometric measurement system consisting of a beam of monochromatic light at 540nm passing through a solution of antibody coated microlatex particles.	Stago	mcg/mL FEU	<0.50	N/A	OSU Lab Normal Range Study (08/2007)	0.27-4.00	0.27-20.00
DIC Workup	DIC Panel Includes: Platelet Count, PT, PTT, Fib, TT, D-Dimer, PTT/TT Mixing Studies (as appropriate) and Pathologist Interpretation	See individual tests	See individual tests	See individual tests	See individual tests	See individual tests	See individual tests	See individual tests	See individual tests
Dilute Russell Venom Time	DRVVT	Mechanical Clot Detection	Stago	Ratio	Screen ratio: ≤1.31 Normalized ratio: ≤1.33	N/A	OSUWMC, in-house reference range study performed yearly	N/A	N/A
Factor II Activity	Prothrombin Activity, FA2	Mechanical Clot Detection	Stago	% Activity	17+ years: 60-150	<	Clinical Guide to Laboratory Tests, Tietz, 1995; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172, Andrew, 1987	See Stago Unicalibrator assayed values (lot number specific)	3-500
Factor IX Activity	Christmas Factor, FA9	Mechanical Clot Detection	Stago	% Activity	17+ years: 77-147	ব	OSU Inhouse Study 02/2004; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172, Andrew, 1987	See Stago Unicalibrator assayed values (lot number specific)	1-500
Factor IX Inhibitor	Factor IX Antibody, FAC9AB	Mechanical Clot Detection Bethesda Assay	Stago	Bethesda units	Negative (0.0 Bethesda units)	N/A	N/A	N/A	0.0 - dilute to endpoint
Factor V Activity	Labile Factor, FA5	Mechanical Clot Detection	Stago	% Activity	17+ years: 50-150	ব	Clinical Guide to Laboratory Tests, Tietz, 1995; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172, Andrew, 1987 Clinical Guide to Laboratory	See Stago Unicalibrator assayed values (lot number specific)	3-500
Factor VII Activity	FA7	Mechanical Clot Detection	Stago	% Activity	17+ years: 65-135	<5	Cinneal Guide to Laboratory Tests, Tietz, 1995; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172, Andrew, 1987	See Stago Unicalibrator assayed values (lot number specific)	3-1000

Part			1	T	T			ī	1	
Mathematical Part	Factor VIII Activity	Anti Hemophilic Factor, FA8	Mechanical Clot Detection	Stago	% Activity	17+ years: 75-220	<5	Andrew, 1992; Blood, Vol 70,	See Stago Unicalibrator assayed values (lot number specific)	1-500
Part	Factor VIII Inhibitor Assay	Factor VIII Antibody		Stago	Bethesda units	Negative (0.0 Bethesda units)	N/A		N/A	0.0 - dilute to endpoint
Part	Factor X Activity	Stuart Prower Factor, FA10	Mechanical Clot Detection	Stago	% Activity	17+ years: 60-130	ব	Tests, Tietz, 1995; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172,	See Stago Unicalibrator assayed values (lot number specific)	3-500
March   Marc	Factor XI Activity	Hemophilia C, FA11	Mechanical Clot Detection	Stago	% Activity	17+ years: 65-135	<5	Tests, Tietz, 1995; Blood, Vol 80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172,		1 - 500
Part	Factor XIII Activity		Solubility	N/A	N/A	Present	N/A		N/A	
Part	Fibrinogen, Clottable	FIB	Mechanical Clot Detection	Stago	mg/dL	220-410	<75	OSU Lab Normal Range Study (05/2003)	60-900	60-900
	Heparin Anti-Xa Unfractionated	HEPAS	system consisting of a beam of	Stago	IU/mL	(Therapeutic Range: applies to 4	N/A	Chest, vol. 119, issue 1, January 2001, pgs. 64S-75S.	0.10-0.80	0.10-1.60
Train   Specimen   Property   P		PF4IGP	-	Immucor	O.D. % Henarin Inhibition	O.D. <0.400	N/A		0.000-3.000	0.000-3.000
Part		Hexagonal PL Neutralization;								
Part	riexagonai i E seutranzation	STACLOT-LA	Medianical Cot Detection	Stago	sec		N/A	range study performed yearly	NA	20.0
	INR	N/A	ISI and the geometric mean value of the PT normal	Stago	(ratio)	Oral Anticoagulant Therapy Target Ranges:  Standard Therapy 2.0-3.0  High Dose	INR >4.9		0.5 - 14.9	0.5 - 14.9
Park Agentin   No.	Lupus Anticoaguiant	Package includes PT, INR, TT, DRVVT Screen, PTT-LA, Mixing Studies, DRVVT Confirm and or Hexagonal Phase Phospholipid Neutralization	individual	individual	individual	individual	individual	individual	individual	individual
	Platelet Aggregation	N/A	turbidimetric measurement of a	Helena	% Aggregation	648-112-4 ADP 10.0 micromodil. 78-3-100.8 Arabidona Ced. 1.64 mM: 78-3-104.6 Collegen. 1.0 mc/ml. 78-1-105.4 Epinephrine 1.0 micromodil. 78-1-105.4 Epinephrine 1.5 micromodil. 78-3-105.9 Restoccin. 1.5 ma/ml. 10-00-140.0	N/A	In-house Reference Range Study	N/A	N/A
Product Carboty   PROTE   Machaned Cla Decision   Sugar   St. Activity   17 years 72.200   N.A.   St.   St	Platelet Function Test	Platelet Function Assay, PFA	Time: The time measured from the start of the test until a platelet to close aperture after	Siemens	sec	73-172 <u>Collagen/ADP:</u> 53-111  Platelet function interpretation:	N/A		31-300	31-300
Protect Carboin	Platelet P2Y12 Inhibition Test	P2Y12 Inhibition Test; Verify Now PRU Test	Platelet Aggregation is a self- contained test device	Verify Now	PRU	194 - 418	N/A	Accumetrics, verified at OSU	1-999	1-999
Protect S. Activity	Protein C Activity			Stago	% Activity	17+ years: 72-220	N/A	80, 1998-2005, Andrew, 1992; Amer. Jour. Ped. Hematol. Oncol, Vol 12, 95-104, Andrew, 1990	See Stago Unicalibrator assayed values (lot number specific)	10-300
Processor   Proc	Protein S Activity	PROTS	Mechanical Clot Detection	Stago	% Activity	17+ years: 50-168	N/A	80, 1998-2005, Andrew, 1992; Amer. Jour. Ped. Hematol. Oncol, Vol 12, 95-104,	See Stago Unicalibrator assayed values (lot number specific)	10 - 300
Pri and PT Mining Study	PT	Protime-INR	Mechanical Clot Detection	Stago	sec	11.9 - 14.2	N/A	OSUWMC in-house reference	7.0 - 106.0	7.0 - 106.0
Prints   Normal Flamm	PT av I PT M. J. C. 1	Prothrombin Time Mixing Study	Manhani - LOL- 2	0		NUA	NUA		NI/A	NIA
PTT										
PTT Mis w/ Normal Fissus   NA   Mechanical Cled Detection   Stage   sec   NA   NA   NA   NA   NA   200 - 180.0   200 - 180.0   200 - 180.0		APTT				24.0-34.3 Heparin Therapeutic Range	Inpatient: >150.0	OSUWMC, in-house reference		
PTT sith Missing Study	PTT Mix w/ Normel Diagna		Mechanical Clat Postastian	Steam	ear	77.0 - 91.0			20.0 - 180.0	20.0 - 180.0
Ristocetia CaPactor  Von Willebrand Factor Activity  Ristocetia CaPactor  Von Willebrand Range Study  Robin Cloting Time  Mechanical Clot Detection  Stago  sec  13.0-20.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0	PTT with Mixing Study	N/A	Mechanical Clot Detection	Stago		N/A	N/A	N/A	20.0 - 180.0	20.0 - 180.0
Thrombin Time Trombin Time Thrombin Clotting Time Thrombin Clotting Time Mechanical Clot Detection Stago Sec 13.0-20.0 N/A OSU Lab Normal Range Study 10.0-120.0 10.0		Includes PTT-LA Mixing Study	Platelet Agglutination					range study performed yearly	See Helena SARP calibrator	
TT Mix w Normal Plasma (Not individually orderable. Order Lupus Anticoagulant Workup)  TT Mix w Treatmine Sufface (Not individually orderable. Order Lupus Anticoagulant Workup)  TT Mix w Treatmine Sufface (Not individually orderable. Order Lupus Anticoagulant Workup)  Anticoagulant Workup)  Wechanical Cot Detection  Stago  sec  13.0-20.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  10.0-120.0  N/A  OSU Lab Normal Range Study  10.0-120.0  10.0			Aggregometry						specific)	
Not individually orderable. Order Lupus Anticoagulant Workup)   This is Vivolumbic Staffact (Not individually orderable. Order Lupus Anticoagulant Workup)   This is Vivolumbic Staffact (Not individually orderable. Order Lupus Anticoagulant Workup)   This is Vivolumbic Staffact (Not individually orderable. Order Lupus Anticoagulant Workup)   Von Wilkehrand Workup (Individually orderable. Order Lupus Anticoagulant Workup)   Von Wilkehrand Workup (Individual Individual		Thrombin Clotting Time	Mechanical Clot Detection	Stago	sec	13.0-20.0	N/A	USU Lab Normal Range Study	10.0-120.0	10.0-120.0
Mechanical Clot Detection   Stago   Sec   13.0-20.0   N/A   OSU Lab Normal Range Study   10.0-120.0   10.0-	(Not individually orderable. Order Lupus Anticoagulant Workup)	Thrombin Clotting Time	Mechanical Clot Detection	Stago	sec	13.0-20.0	N/A	OSU Lab Normal Range Study	10.0-120.0	10.0-120.0
Includes   PTT, Factor VIII   Manual Differential   N/A	(Not individually orderable. Order Lupus	Heparin Neutralization	Mechanical Clot Detection	Stago	sec	13.0-20.0	N/A	OSU Lab Normal Range Study	10.0-120.0	10.0-120.0
Policements	Von Willebrand Battery Agn + Factor VIII	Includes: PTT, Factor VIII, VWF Antigen, Ristocetin Cofactor, and a Von Willebrand Multimeric	individual tests	individual	individual	individual	individual	individual	individual	individual
Band Neutrophils   N/A   Manual Differential   N/A   %   N/A   N/A   N/A   0.0-100.0   0.0-100.0	Von Willebrand Factor Ag	VWFAG	photometric measurement system consisting of a beam of monochromatic light at 540nm passing through a solution of antibody coated microlatex	Stago	%	17+ years: 50-180	N/A	80, 1998-2005, Andrew, 1992; Blood, Vol 70, 165-172,	assayed value (lot number	3-400
Band Sand   Sand   Bank   Ba			Manual Differential Calculation:				≥0.25			
Page 16   10   10   10   10   10   10   10			BANDS/(Segs+BANDS) Manual Differential				(Neonates)			
	Basophils %	N/A	Flow Cytometry/ Manual differential	Sysmex	%	N/A	N/A	N/A	0.0-100.0	0.0-100.0

				x10 <sup>3</sup> /uL	≥18 years:		OSU Internal Normal Range Study, October 2018	Electronic:	Electronic: 0.04-dilute to obtain numeric
Basophils Absolute	N/A	Calculation	Sysmex	-OR-	Male: 0.00-0.09	N/A	Soldin, Steven J. Pediatric	0.04-440.00 Manual:	result Manual:
				K/uL	Female: 0.00-0.15		Reference Intervals. 7th ed.,	0.00-440.00	0.00-dilute to obtain numeric
Basophils Relative (CSF)	Spinal fluid cell differential	Manual Differential	N/A	Will %	N/A	N/A	AACC Press, 2011. N/A	0-100	result 0-100
Basopinis Relative (CSF)	Spania mad cen direcemba	Manual Direction	1973	x10 <sup>3</sup> /uL		1971	797	0-100	0-100
Blast Absolute	N/A	Calculation	N/A	-OR-	All ages: 0.00	N/A	N/A	0.00-440.00	0.00-dilute to obtain numeric
									result
Blasts	N/A	Manual Differential	N/A	K/uL %	All ages: 0.0	N/A	N/A	0.0-100.0	0.0-100.0
Blasts Relative (CSF)	Spinal fluid cell differential	Manual Differential	N/A	%	N/A	N/A	N/A	0-100	0-100
Blasts Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	% See	N/A See	N/A See	N/A See	0-100 See	0-100 See
Body Fluid Cell Count	N/A	Hemocytometer Counts / Iris instrument	CCL: Iris RRL: N/A	individual	individual	individual	individual	individual	individual
		Hemocytometer Counts /		tests See	tests See	tests See	tests See	tests See	tests See
Body Fluid Cell Count with Diff	Body Fluid Battery	Iris instrument/	CCL: Iris RRL: N/A	individual	individual	individual	individual	individual	individual
Bone Marrow Collection		Manual Differential		tests	tests	tests	tests	tests	tests
(Assist)	N/A	Manual	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CBC, EDIF, Platelet	CBC, Electronic Diff with Platelets	See individual analytes	Sysmex	Varies	Varies	Varies	Varies	Varies	Varies
CBC, Platelets	Complete Blood Count,	See individual analytes	Sysmex	Varies	Varies	Varies	Varies	Varies	Varies
,	Hemogram	Hemocytometer Counts /	CCL: Iris	See	See	See	See	See	See
Cell Count & Diff, CSF	Spinal Fluid Cell Count and Differential	Iris instrument/ Manual Differential	RRL: N/A	individual	individual	individual	individual	individual	individual tests
		Unstained synovial fluid slides		tests	tests	tests	tests	tests	Iesis
Crystals, Fluid	N/A	reviewed by polarized microscopy.	N/A	N/A	Negative	N/A	N/A	N/A	Positive / Negative
		Hemocytometer Counts /	CCL: Iris	See	See	See	See	See	See
CSF Fluid Count Only	Spinal Fluid Cell Count	Iris instrument	RRL: N/A	individual tests	individual tests	individual tests	individual tests	individual tests	individual tests
D 1 18 0/	N/A	Flow Cytometry/	e	%	N/A	N/A	N/A	0.0-100.0	0.0-100.0
Eosinophils %	N/A	Manual differential	Sysmex	79	N/A	N/A		0.0-100.0	
				x10 <sup>3</sup> /uL	≥18 years: Male:		OSU Internal Normal Range Study, October 2018	Electronic:	Electronic: 0.04-dilute to obtain numeric
Eosinophils Absolute	N/A	Calculation	Sysmex	-OR-	0.00-0.48	N/A	Soldin, Steven J. Pediatric	0.04-440.00 <u>Manual</u> :	result <u>Manual</u> :
		[		K/uL	Female: 0.00-0.42		Reference Intervals. 7th ed.,	0.00-440.00	0.00-dilute to obtain numeric
Eosinophils Relative (CSF)	Spinal fluid cell differential	Manual Differential	N/A	K/uL %	N/A	N/A	AACC Press, 2011. N/A	0-100	result 0-100
Eosinophils Relative (CSF)  Eosinophils Relative (Fluid)	Body fluid cell differential	Manual Differential  Manual Differential	N/A N/A	% %	N/A N/A	N/A N/A	N/A	0-100	0-100 0-100
							OSU Internal Normal Range Study, October 2018	·	1
Extended Reticulocyte Panel	Panel includes:	Flow Cytometry, Calculation	Sysmex	Varies	Varies	N/A		Varies	Varies
LACINGU REIGIOCYTE FABEI	Ret%, Ret#, IRF and RET-HE		- Cyannas	* 100 100 1	*******	1974	Soldin, Steven J. Pediatric Reference Intervals. 7th ed	* 100.000	* 10.00
							AACC Press, 2011.		
Hairy Cells	N/A	Manual Differential	N/A	% x10 <sup>3</sup> /uL	All ages: 0.0	N/A	N/A	0.0-100.0	0.0-100.0
									0.00-dilute to obtain numeric
Hairy Cells Absolute	N/A	Calculation	N/A	-OR-	All ages: 0.00	N/A	N/A	0.00-440.00	result
				K/uL					
					≥18years:		OSU Internal Normal Range Study, October 2018		
Hematocrit	HCT	Cumulative Pulse Height	Sysmex	%	Male: 39.6-48.8	N/A	, , , , , , , , , , , , , , , , , , ,	0.1-75.0	0.1-dilute to obtain numeric
TAILMINGER		Detection	Dyanica.	70	Female	1071	Soldin, Steven J. Pediatric Reference Intervals. 7th ed.,	0.1-75.0	result
					34.9-44.3		AACC Press, 2011.		
Hematocrit, Fluid	Fluid HCT, Fluid PCV	Manual Spun Hematocrit	N/A	%	N/A	N/A >12y:	N/A OSU Internal Normal Range	5.0-60.0	5.0-60.0
					≥18years: Male:	<7.0 and >22.0	Study, October 2018		
Hemoglobin	HGB	Photometrically measured	Sysmex	g/dL	13.4-16.8	8d-12y: <8.0 and >22.0	Soldin, Steven J. Pediatric	0.2-26.0	0.2-dilute to obtain numeric result
					Female: 11.4-15.2	0d-7d:	Reference Intervals. 7th ed.,		result
					1134-13.2	<11.0 and >22.0	AACC Press, 2011. OSU Internal Normal Range		
							Study, October 2018		
Immature Granulocytes %	N/A	Flow Cytometry	Sysmex	%	N/A	N/A	Soldin, Steven J. Pediatric	0.0-100.0	0.0-100.0
							Reference Intervals. 7th ed.,		
							AACC Press, 2011. OSU Internal Normal Range		
				x10 <sup>3</sup> /uL	≥18 years		Study, October 2018		Electronic:
Immature Granulocytes Absolute	IG	Calculation	Sysmex	-OR-	Male: ≤0.08	N/A	Soldin, Steven J. Pediatric	Electronic: 0.04-440.00	0.04-dilute to obtain numeric
				K/uL	Female: ≤0.09		Reference Intervals. 7th ed.,	0.04-440.00	result
				Kut			AACC Press, 2011. OSU Internal Normal Range		
					≥18 years: Male:		Study, October 2018		
Immature Platelet Fraction	IPF	Calculation	Sysmex	%	0.0-9.0	N/A	Soldin, Steven J. Pediatric	0.0-100.0	0.0-100.0
					Female: 0.0-8.6		Reference Intervals. 7th ed.,		
							AACC Press, 2011. OSU Internal Normal Range		
		[			≥18 years: Male:		OSU Internal Normal Range Study, October 2018		
Immature Reticulocyte Fraction	IRF	Calculation	Sysmex	%	0.2-16.3	N/A	Soldin, Steven J. Pediatric	0.0-100.0	0.0-100.0
					Female: 1.1-16.2		Reference Intervals. 7th ed.,		
	established whom the	Manual Differential	ATZ+	-	<3m: 35-50	N''	AACC Press, 2011. Body Fluids 3rd ed. Kjeldsbreg,	0.100	0-100
Lymphocytes Relative (CSF)	Spinal fluid cell differential	Manual Differential Flow Cytometry/	N/A	%	>3m 40-80	N/A	Knight 1993	0-100	
Lymphocytes %	N/A	Flow Cytometry/ Manual differential	Sysmex	%	N/A	N/A	N/A	0.0-100.0	0.0-100.0
				x10 <sup>3</sup> /uL	≥18 years:		OSU Internal Normal Range Study, October 2018	Electronic:	Electronic: 0.04-dilute to obtain numeric
Lymphocytes Absolute	1	Calculation	Sysmex		Male: 0.83-3.57	N/A		0.04-440.00	result
	N/A					10/74	Soldin, Steven J. Pediatric	Manual:	Manual: 0.00-dilute to obtain numeric
	N/A		Dyanica.	-OR-	Female:		Reference Intervals. 7th ed.,	0.00-440.00	
				K/uL	Female: 1.16-3.51		AACC Press, 2011.	0.00-440.00	result
Lymphocytes Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	K/uL %	Female: 1.16-3.51 N/A	N/A N/A	AACC Press, 2011. N/A	0-100	result 0-100
				K/uL	Female: 1.16-3.51	N/A N/A	AACC Press, 2011.		result
Lymphocytes Relative (Fluid) Lymphoma Cells	Body fluid cell differential N/A	Manual Differential Manual Differential	N/A N/A	K/uL % % x10 <sup>3</sup> /uL	Female: 1.16-3.51 N/A All ages: 0.0	N/A	AACC Press, 2011. N/A N/A	0-100 0.0-100.0	result 0-100 0.0-100.0  0.00-dilute to obtain numeric
Lymphocytes Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	K/uL % % x10 <sup>3</sup> /uL -OR-	Female: 1.16-3.51 N/A		AACC Press, 2011. N/A	0-100	result 0-100 0.0-100.0
Lymphocytes Relative (Fluid) Lymphoma Cells Lymphoma Cells Absolute	Body fluid cell differential  N/A  N/A	Manual Differential Manual Differential Calculation	N/A N/A N/A	K/uL % % % x10 <sup>3</sup> /uL -OR- K/uL	Female: 1.16-3.51  N/A  All ages: 0.0  All ages: 0.00	N/A N/A	AACC Press, 2011. N/A N/A N/A	0-100 0.0-100.0 0.00-440.00	result 0-100 0.0-100.0 0.00-dilute to obtain numeric result
Lymphocytes Relative (Fluid) Lymphoma Cells	Body fluid cell differential N/A	Manual Differential Manual Differential	N/A N/A	K/uL % % x10 <sup>3</sup> /uL -OR-	Female: 1.16-3.51  N/A  All ages: 0.00  All ages: 0.00  N/A  N/A	N/A	AACC Press, 2011. N/A N/A	0-100 0.0-100.0	result 0-100 0.0-100.0  0.00-dilute to obtain numeric
Lymphons Cells Relative (Fluid) Lymphons Cells Lymphons Cells Absolute Lymphons Cells Absolute Lymphoms Cells Relative (CSF) Lymphoms Cells Relative (Fluid)	Body fluid cell differential N/A N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Screen / ID Blood,	Manual Differential Manual Differential Cakulation  Manual Differential  Amnual Differential Manual Differential	N/A N/A N/A N/A N/A	K/uL  %6  %6  x10 <sup>3</sup> /uL  -OR-  K/uL  %6  %6	Female:   1.16-3.51   N/A	N/A N/A N/A N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A	0-100 0.0-100.0 0.00-440.00 0-100 0-100	result 0-100 0.0-100.0  0.00-dilute to obtain numeric result 0-100 0-100
Lymphocstes Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep	Body fluid cell differential N/A N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Scene // D Blood, MPB	Manual Differential Manual Differential Calculation  Manual Differential Manual Differential Manual Differential Giemsa Stain	N/A N/A N/A N/A N/A N/A	K/uL 95 96 96 x10 <sup>3</sup> /uL	Female: 1.16-3.51  N/A  All ages: 0.00  All ages: 0.00  N/A  NOPO - No parsitic organism seen, including plasmodium organisms	N/A N/A N/A N/A N/A	AACC Press, 2011. N/A N/A N/A N/A N/A N/A N/A N/A N/A	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A	result 0-100 0.0-100.0  0.0-100.0  0.00-dilute to obtain numeric result 0-100 0-100 N/A
Lymphoestes Relative (Fluid) Lymphoma Cells Lymphoma Cells Absolute Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid) Malaria Prep Malignant Cells Relative (CSF)	Body fluid cell differential N/A N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Section (1) Blood, MPB Spinal fluid cell differential	Manual Differential Manual Differential Calculation  Manual Differential  Manual Differential  Manual Differential  Gierna Stain  Manual Differential	N/A	K/uL  % % % % % % 10°/wL  -OR-  K/uL  % % % N/A  % %	Fernale: 1.16-5.51  N/A  All ages: 0.00  All ages: 0.00  N/A  N/A  NOPO No parasite organisms seen, including plasmodium organisms N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011. N/A	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A 0-100	result
Lymphocstes Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep	Body fluid cell differential N/A N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Scene // D Blood, MPB	Manual Differential Manual Differential Calculation  Manual Differential Manual Differential Manual Differential Giemsa Stain	N/A N/A N/A N/A N/A N/A	K/uL 95 96 96 x10 <sup>3</sup> /uL	Fernale: 1.16-5.51  N/A  All asses: 0.0  All ages: 0.00  N/A  N/A  NOPO - No parastic organism seen, schding plasmodium organism N/A  N/A  N/A	N/A N/A N/A N/A N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A	result 0-100 0.0-100.0  0.00-dilute to obtain numeric result 0-100 0-100 N/A
Lymphocates Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)  Malignant Cells Relative (Fluid)	Body flaid cell differential N/A N/A Sonad fluid cell differential Body fluid cell differential Body fluid cell differential Parasite Scene (1) Blood, MPB Spinal fluid cell differential Body fluid cell differential	Manual Differential Manual Differential Calculation Manual Differential Manual Differential Gierna Stain Manual Differential Gierna Stain Manual Differential	N/A	K/uL 55 56 56 510 107/uL -OR- K/uL 55 56 56 N/A 96	Fernale: 1.16-5.51  NA All ages: 0.00  All ages: 0.00  N/A NA NOPO - No parasitic organism seen, including plasmodium organism N/A N/A 218 years: M/de:	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011. N/A	0-100 0-100.0 0.0-440.00 0.00-440.00 0-100 0-100 N/A 0-100 0-100	result 0-100 0.0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100
Lymphorat Cells Absolute  Lymphoma Cells Absolute  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF)  Lymphoma Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)	Body fluid cell differential N/A N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Section (1) Blood, MPB Spinal fluid cell differential	Manual Differential Manual Differential Calculation  Manual Differential  Manual Differential Gierna Stain  Manual Differential Manual Differential	N/A	K/uL  % % % % % % 10°/wL  -OR-  K/uL  % % % N/A  % %	Fernale: 1.16-5.51  N/A  All ages: 0.00  N/A  NOPO - No parasitic organism seen, nechaling plasmodium organisms  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A 0-100	result 0-100 0.0-100.0  0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100
Lymphocates Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)  Malignant Cells Relative (Fluid)	Body flaid cell differential N/A N/A Sonad fluid cell differential Body fluid cell differential Body fluid cell differential Parasite Scene (1) Blood, MPB Spinal fluid cell differential Body fluid cell differential	Manual Differential Manual Differential Calculation Manual Differential Manual Differential Gierna Stain Manual Differential Gierna Stain Manual Differential	N/A	K/uL 55 56 56 510 107/uL -OR- K/uL 55 56 56 N/A 96	Fernale: 1.16-5.51  NA All ages: 0.00  All ages: 0.00  N/A NA NOPO - No parasitic organism seen, including plasmodium organism N/A N/A 218 years: M/de:	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011. N/A	0-100 0-100.0 0.0-440.00 0.00-440.00 0-100 0-100 N/A 0-100 0-100	result 0-100 0.0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100
Lymphocates Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)  Malignant Cells Relative (Fluid)	Body flaid cell differential N/A N/A Sonad fluid cell differential Body fluid cell differential Body fluid cell differential Parasite Scene (1) Blood, MPB Spinal fluid cell differential Body fluid cell differential	Manual Differential Manual Differential Calculation Manual Differential Manual Differential Gierna Stain Manual Differential Gierna Stain Manual Differential	N/A	K/uL 55 56 56 510 107/uL -OR- K/uL 55 56 56 N/A 96	Fernale: 1.16-5.51  N/A  All ages: 0.00  N/A  All ages: 0.00  N/A  N/A  NOFO - No parasitic organism seen, inceduniers  N/A  N/A  N/A  N/A  2/8 years: 4/8 years: 6.68-2.64  Fernale: 0.74-2.54	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0-100.0 0.0-440.00 0.00-440.00 0-100 0-100 N/A 0-100 0-100	result 0-100 0.0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100
Lymphocates Relative (Fluid) Lymphoma Cells Lymphoma Cells Absolute Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid) Malaria Prep Malignant Cells Relative (TSF) Malignant Cells Relative (Fluid) Manual Retic	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Sercon / ID Blood. M/B Spinal fluid cell differential Body fluid cell differential N/A	Manual Differential  Manual Differential  Calculation  Manual Differential  Manual Differential  Giemas Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential	N/A	K/uL 55 55 56 \$10 / ML  -OR-  K/uL 55 56 \$56  N/A  56 \$56  N/A  56 \$56  56  576	Fernale: 1.16-5.51  N/A  All ages: 0.00  N/A  All ages: 0.00  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0.100 0-100 N/A 0-100 0-100 0-25-30.00	result 0-100 0.0-100.0  0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100 0-100 0-100 0-100 0-100 0-100
Lymphocates Relative (Fluid) Lymphoma Cells  Lymphoma Cells Absolute  Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)  Malignant Cells Relative (Fluid)	Body flaid cell differential N/A N/A Sonad fluid cell differential Body fluid cell differential Body fluid cell differential Parasite Scene (1) Blood, MPB Spinal fluid cell differential Body fluid cell differential	Manual Differential Manual Differential Calculation Manual Differential Manual Differential Gierna Stain Manual Differential Gierna Stain Manual Differential	N/A	K/uL 55 56 56 510 107/uL -OR- K/uL 55 56 56 N/A 96	Female: 1.16-5.51  N/A  All ages: 0.00  N/A  All ages: 0.00  N/A  NOPO - No parasitic organism seen, nechaling plasmodium organisms  N/A  N/A  N/A  N/A  N/A  N/A  N/A  218 years  Male: 0.68-2.64  Female: 0.74-2.54	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0-100.0 0.0-440.00 0.00-440.00 0-100 0-100 N/A 0-100 0-100	result 0-100 0.0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100
Lymphocutes Relative (Fluid) Lymphoma Cells Lymphoma Cells Absolute Lymphoma Cells Relative (CSF) Lymphoma Cells Relative (Fluid) Malaria Prep Malignant Cells Relative (TSF) Malignant Cells Relative (Fluid) Manual Retic	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Sercon / ID Blood. M/B Spinal fluid cell differential Body fluid cell differential N/A	Manual Differential  Manual Differential  Calculation  Manual Differential  Manual Differential  Giemas Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential	N/A	K/uL 55 55 56 \$10 / ML  -OR-  K/uL 55 56 \$56  N/A  56 \$56  N/A  56 \$56  56  576	Female: 1.16-5.51  N/A  All ages: 0.00  N/A  NOPO - No parasitic organism seem, arching plasmodium organisms  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0.100 0-100 N/A 0-100 0-100 0-25-30.00	result 0-100 0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100 0-100 0-100 0-100
Lymphona Celis Absolute Lymphona Celis Absolute Lymphona Celis Absolute Lymphona Celis Relative (CSF) Lymphona Celis Relative (Fluid) Malaria Prep Malignant Celis Relative (CSF) Malignant Celis Relative (Fluid) Manual Retic	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Sercon / ID Blood. M/B Spinal fluid cell differential Body fluid cell differential N/A	Manual Differential  Manual Differential  Calculation  Manual Differential  Manual Differential  Giemas Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential	N/A	K/uL 55 55 56 \$10 / ML  -OR-  K/uL 55 56 \$56  N/A  56 \$56  N/A  56 \$56  56  576	Female: 1.16-5.51  N/A  All ages: 0.0  N/A  All ages: 0.00  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0.100 0-100 N/A 0-100 0-100 0-25-30.00	result 0-100 0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100 0-100 0-100 0-100
Lymphona Cells Absolute Lymphona Cells Absolute Lymphona Cells Absolute Lymphona Cells Relative (CSF) Lymphona Cells Relative (Fluid) Malaria Prep Malignant Cells Relative (TSF) Malignant Cells Relative (Fluid) Manual Retic  MCH	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Body fluid cell differential Body fluid cell differential Parastic Screen / ID Blood, MPB Spinal fluid cell differential Body fluid cell differential N/A Red Cell Indices	Manual Differential Manual Differential Calculation  Calculation  Manual Differential  Giorna Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Miller Disk	N/A	K/uL  56  56  57  58  X10 <sup>3</sup> /uL  OR-  K/uL  56  56  56  96  P6	Female: 1.16-5.51  N/A  All ages: 0.0  N/A  All ages: 0.00  N/A  N/A  N/A  N/A  N/A  N/A  N/A  18 years: Male: 24 8 years: 28 8 years: 21 8 years: 25 9 33.9  ≥ 18 years: Male: 26 1-33.3 Female: 21 9 3 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A 0-100 0-100 0-100 0-100 N/A	result 0-100 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100 0-100 0-100 N/A N/A N/A
Lymphona Celis Absolute Lymphona Celis Absolute Lymphona Celis Absolute Lymphona Celis Relative (CSF) Lymphona Celis Relative (Fluid) Malaria Prep Malignant Celis Relative (CSF) Malignant Celis Relative (Fluid) Manual Retic	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Parasite Sercon / ID Blood. M/B Spinal fluid cell differential Body fluid cell differential N/A	Manual Differential  Manual Differential  Calculation  Manual Differential  Manual Differential  Giemas Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential	N/A	K/uL 55 55 56 \$10 / ML  -OR-  K/uL 55 56 \$56  N/A  56 \$56  N/A  56 \$56  56  576	Female: 1.16-5.51  NA All asses: 0.0  All asses: 0.00  N/A NOPO - No parasitic organism seen, schding plasmodium organism - NA NA NA NA 218 years: Male: 0.68-2.64 Female: 0.74-2.34  218 years: 26.1-31.3 Female: 25.5-33.9	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0.100 0-100 N/A 0-100 0-100 0-25-30.00	result 0-100 0-100.0 0.0-100.0 0.00-dilute to obtain numeric result 0-100 0-100 N/A 0-100 0-100 0-100 0-100 0-100
Lymphona Cells  Lymphona Cells Absolute  Lymphona Cells Absolute  Lymphona Cells Relative (CSF)  Lymphona Cells Relative (Fluid)  Malaria Prep  Malignant Cells Relative (CSF)  Malignant Cells Relative (Fluid)  Manual Retic	Body fluid cell differential N/A N/A Spinal fluid cell differential Body fluid cell differential Body fluid cell differential Body fluid cell differential Parastic Screen / ID Blood, MPB Spinal fluid cell differential Body fluid cell differential N/A Red Cell Indices	Manual Differential Manual Differential Calculation  Calculation  Manual Differential  Giorna Stain  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Differential  Manual Miller Disk	N/A	K/uL  56  56  57  58  X10 <sup>3</sup> /uL  OR-  K/uL  56  56  56  96  P6	Fernale: 1.16-5.51  NA All asses: 0.0  All asses: 0.00  N/A  N/A  NOPO - No parassis organism seen, including plasmodium organisms  N/A  N/A  N/A  218 years: Male: 0.68-2.64  218 years: Male: 25.9-33.9  218 years: Male: 31.9-3.55	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	AACC Press, 2011.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	0-100 0.0-100.0 0.00-440.00 0-100 0-100 N/A 0-100 0-100 0-100 0-100 N/A	result 0-100 0.0-100.00 0.09-dilute to obtain numeric result 0-100 0-100 0-100 0-100 0-100 0-100 0-100 0-100 N/A 0-100 0-100 0-100 N/A N/A N/A

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MCV	Red Cell Indices	HCT x10/RBC	Sysmex	fL	≥18 years: Male: 79.0-94.5 Female: 79.6-97.7	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed.,	N/A	N/A
Mesothelial Cells Relative (Fluid)	Body fluid cell differential N/A	Manual Differential	N/A N/A	%	N/A	N/A N/A	AACC Press, 2011. N/A N/A	0-100	0-100
Metamyelocytes	N/A	Manual Differential	N/A	x10 <sup>3</sup> /uL	N/A ≥18 years:	NA	OSU Internal Normal Range	0.0-100.0	0.0-100.0
Metas Absolute	N/A	Calculation	N/A	-OR- K/uL	Male: <0.08 Female: <0.09	N/A	Study, October 2018  Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.00-440.00	0.00-dilute to obtain numeric result
Monocytes %	N/A	Flow Cytometry/	Sysmex	%	N/A	N/A	N/A	0.0-100.0	0.0-100.0
Monocytes / Macrophages Relative (CSF)	Spinal fluid cell differential	Manual differential  Manual Differential	N/A	%	<3m 50-90 >3m 15-45	N/A	Body Fluids 3rd ed. Kjeldsbreg, Knight 1993	0-100	0-100
Monocytes / Macrophages Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	%	N/A	N/A	N/A	0-100	0-100
				x10 <sup>3</sup> /uL	≥18 years:		OSU Internal Normal Range Study, October 2018	Electronic:	Electronic: 0.04-dilute to obtain numeric
Monocytes Absolute	N/A	Calculation	Sysmex	-OR- K/uL	Male: 0.24-0.93 Female: 0.22-0.87	N/A	Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.04-440.00 <u>Manual:</u> 0.00-440.00	result Manual: 0.00-dilute to obtain numeric result
MPV	N/A	Derived from the PLT histogram.	Sysmex	ſL.	≥18 years: Male: 8.7-12.3 Female: 8.5-12.2	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	N/A	N/A
Myelocytes	N/A	Manual Differential	N/A	%	N/A	N/A	N/A	0.0-100.0	0.0-100.0
Myelos Absolute	N/A	Calculation	N/A	x10³/uL -OR- K/uL	≥18 years: Male: <0.08 Female: <0.09	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.00-440.00	0.00-dilute to obtain numeric result
Neutrophils %	N/A	Flow Cytometry/ Manual differential	Sysmex	%	N/A	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.0-100.0	0.0-100.0
Neutrophils Relative (CSF)	Spinal fluid cell differential	Manual Differential	N/A	%	<3m: 0-8 >3m: 0-6	N/A	Body Fluids 3rd ed. Kjeldsbreg, Knight 1993	0-100	0-100
Neutrophik Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	%	N/A	N/A	N/A Sysmex XN-9000 IFU	0-100	0-100
NRBC	N/A	Flow Cytometry	Sysmex	/100 WBC	≥18 years: 0.0-0.2	N/A	(North American Edition) Code No. AC794819  Soldin, Steven J. Pediatric Reference Intervals. 7th ed.,	0.0-600.0	0.0-600.0
NRBCs Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	%	N/A	N/A	AACC Press, 2011. N/A N/A	0-100 0-100	0-100 0-100
Nucleated RBCs Relative (CSF) Other Cells	Spinal fluid cell differential N/A	Manual Differential Manual Differential	N/A N/A	%	N/A All ages: 0.0	N/A N/A	N/A N/A	0.0-100.0	0.0-100.0
Other Cells Absolute	N/A	Calculation	N/A	x10 <sup>3</sup> /uL -OR- K/uL	All ages: 0.00	N/A	N/A	0.00-440.00	0.00-dilute to obtain numeric result
Other Cells Relative (CSF)	Spinal fluid cell differential	Manual Differential	N/A	%	N/A	N/A	N/A	0-100	0-100
Other Cells Relative (Fluid)  Peripheral Smear for Pick up by Physician for	Body fluid cell differential N/A	Manual Differential  Manual	N/A N/A	% N/A	N/A N/A	N/A N/A	N/A N/A	0-100 N/A	0-100 N/A
Review Plasma Cells	N/A	Manual Differential	N/A	%	All ages: 0.0	N/A	N/A	0.0-100.0	0.0-100.0
Plasma Cells Absolute	N/A	Calculation	N/A	x10 <sup>3</sup> /uL -OR- K/uL	All ages: 0.00	N/A	N/A	0.00-440.00	0.00-dilute to obtain numeric result
Plasma Cells Relative (CSF) Plasma Cells Relative (Fluid)	Spinal fluid cell differential Body fluid cell differential	Manual Differential Manual Differential	N/A N/A	% %	N/A N/A	N/A N/A	N/A N/A	0-100 0-100	0-100 0-100
Platelet Count	N/A	Electronic Resistance Detection	Sysmex	x10³/uL	≥18 years: Male: 146-337	<30 and >1,000	OSU Internal Normal Range Study, October 2018	5-5,000	5-dilute to obtain numeric result
Platelet Count - fluorescent	N/A	Flow Cytometry  Manual Differential	N/A	-OR-	Female: All ages: 0.0	Oncology: <10 and >1,000 N/A	Soldin, Steven J. Pediatric N/A	0.0-100.0	0.0-100.0
Prolymphs	N/A	Manual Differential	N/A	×10 <sup>3</sup> /uL	All ages: 0.0	N/A	N/A	0.0-100.0	0.0-100.0
Prolymphs Absolute	N/A	Calculation	N/A	-OR- K/uL	All ages: 0.00	N/A	N/A	0.00-440.00	0.00-dilute to obtain numeric result
Promyelocytes	N/A	Manual Differential	N/A	%	N/A	N/A	N/A OSU Internal Normal Range	0.0-100.0	0.0-100.0
Promyelocytes Absolute	N/A	Calculation	N/A	x10 <sup>3</sup> /uL -OR- K/uL	≥18 years: Male: <0.08 Female: <0.09	N/A	Study, October 2018  Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.00-440.00	0.00-dilute to obtain numeric result
RBC (CSF)	Spinal fluid cell count	Hemocytometer Counts / Iris instrument	CCL: Iris RRL: N/A	/uL	All Ages: <3	N/A	Body Fluids 3rd ed. Kjeldsbreg, Knight 1993	3-50,000	3-dilute to endpoint
RBC Fluid	Body fluid cell count	Hemocytometer Counts / Iris instrument	CCL: Iris RRL: N/A	/uL	N/A ≥18 years:	N/A	N/A OSU Internal Normal Range Study, October 2018	3-50,000	3-dilute to endpoint
RDW	Red Cell Indices	Derived from RBC histogram. Representative of CV% of the histogram.	Sysmex	%	Male: 10.9-14.3 Female: 10.8-14.9	N/A	Study, October 2018  Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	N/A	N/A
Red Blood Cell Count	RBC	Electronic Resistance Detection	Sysmex	x10 <sup>6</sup> /uL -OR- M/uL	≥18years: Male: 4.38-5.83 Female: 3.91-5.04	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed.,	0.05-8.60	0.05-dilute to obtain numeric result
Retic Absolute	N/A	Calculation: Ret% x RBC	Sysmex	M/uL x10 <sup>6</sup> /uL • <b>OR</b> - M/uL	3.91-5.04  Automated: ≥18 years: Male: 0.0317-0.1377 Fernale: 0.0324-0.1142  Manual: ≥18 years: Male: 0.0317-0.1377 Fernale: 0.0317-0.1377	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	XN: 0.0100-0.7200 XN-L: 0.0100-0.4576 Manual: 0.0000-8.6000	XN: 0.0100-dilate to obtain numeric result  XN-L: 0.0100-dilate to obtain numeric result  Manual: 0.0000-dilate to obtain numeric result
Retic Count	N/A	Flow Cytometry	Sysmex	%	≥18 years: Male: 0.68-2.64 Female: 0.74-2.54	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.25-30.00	0.25-30.00
Retic HGB Equivalent	RET-HE	Calculation	Sysmex	pg	≥18 years: Male: 29.9-38.7 Female: 28.8-39.9	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	N/A	N/A

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Sedimentation Rate, Automated	ESR	Photometric Rheology	Alcor	mm/hr	Male:	N/A	JB Henry, Clinical Diagnosis & Mgmt., 19th Ed., 1996, pg. 1460	1-130	1-130
Segs + Bands Absolute	ANC	Calculation: WBC x (NE% + Bands%)	Sysmex	x10³/uL -OR- K/uL	≥18 years: Male: 1.57-6.19 Female: 1.64-7.28	N/A	OSU Internal Normal Range Study, October 2018 Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	Electronic: 0.04-440.00 Manual: 0.00-440.00	Electronic:  0.04-dilute to obtain numeric result Manual:  0.00-dilute to obtain numeric result
Sperm pH	YFER, YSEMB	pH paper	N/A	N/A	>7.0 Refer to Mayo	N/A	WHO laboratory manual for the Examination and Processing of Human Semen. 5th Ed	5.0-10.0 Refer to Mayo	5.0-10.0 Refer to Mayo
Synovial Lining Cells Relative (Fluid)	Body fluid cell differential	Manual Differential	N/A	%	N/A ≥18years:	N/A	N/A OSU Internal Normal Range	0-100	0-100
White Blood Count	WBC	Flow Cytometry	Sysmex	x10 <sup>3</sup> /uL -OR- K/uL	Male: 3.73-10.10 Female 3.99-11.19	<1.50 and >35.00 Oncology: <0.50 and >35.00	Study, October 2018  Soldin, Steven J. Pediatric Reference Intervals. 7th ed., AACC Press, 2011.	0.30-440.00	0.30-dilute to obtain numeric result
WBC (CSF)	Spinal fluid cell count	Hemocytometer Counts / Iris instrument	CCL: Iris RRL: N/A	/uL	<1Y: <31 1-4Y: <21 ≥5Y: <6	≥41	Body Fluids 3rd ed. Kjeldsbreg, Knight 1993	3-2,500	3-dilute to endpoint
WBC Fluid	Body fluid cell count	Hemocytometer Counts / Iris instrument	CCL: Iris RRL: N/A	/uL	N/A	N/A	N/A	3-2,500	3-dilute to endpoint
Urine Screen	Urine dipstick	Various	Siemens Clinitek	N/A	Various	Various	Various	Various	Various
Bacteria	N/A	Microscopie Examination of Urine Sedimente, CUL has Urine Particle Counter, CUL 1000) and iQ200	CCL: Sysmex or Beckman RRL, James, MMMP, SSCBC: N/A	N/A	Absent	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Microscopie: Absent, Trace, Present CUF Particle Counter: UF 1000i:0-20unter: Q200: Absent, Trace, Present	Microscopic: Absent, Trace, Present  CCL: Absent (0-499/uL), Trace (500-1199/uL), Present (=1200/uL)  iQ200: Absent, Trace, Present
Blood Urine	N/A	The peroxidase-like activity of hemoglobin catalyzes the reaction of disopropylbenzene dihydroperoxide and 3,3',5,5'-tetramethylbenzidine to produce a color from orange to green.	Siemens Climitek	NA	Negative  Manufacturer's sensitivity is 0.015-0.062 mg/dL hemoglobin	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Trace, Small, Moderate, Large	Negative, Trace, Small, Moderate, Large
Appearance	Clarity	CCL: measuring the transmission and scattering of light that passes through the specimen. RRL, James, MMMP, SSCBC: Manual	CCL: Siemens Clinitek Novus James, RRL, MMPP, SSCBC: N/A	N/A	Clear	N/A	Urinalysis and Body Fluid, Ringsrud 1995	N/A	Clear, Cloudy, Turbid
Color	N/A	Manual and reflectance spectrophotometer	CCL: Siemens Clinitek Novus James, RRL, MMPP, SSCBC: N/A	N/A	Yellow	N/A	Urinalysis and Body Fluid, Ringsrud 1995	N/A	Yellow, Orange, Red, See Comment
Glucose Urine	N/A	Glacose oxidase catalyzes the breakdown of glacose into glacose into glacose into glacose into glacose is and lydrogen peroxide.  CCL-This test is lossed on a double sequential enzyme reaction. One enzyme, glacose oxidase, catalyzes the formation of glacose, a keound enzyme, peroxidase, catalyzes the oxidation of glacose. A second enzyme, peroxidase, catalyzes the oxidation by hydring peroxidase, catalyzes the reaction of hydrogen peroxide with a post-glacose. As constitution of the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the post-glacose in the post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the proxidase catalyzes the reaction of hydrogen peroxide with a post-glacose in the proxidase catalyzes the peroxidase catalyzes the peroxidase catalyzes the proxidase catalyzes	Siemens Clinitek	mg/dL	Negative Manufacturer's sensitivity level is 75-125 mg/dL	N/A	Urinalysis and Body Fluid, Ringsrud 1995		Negative, 100, 250, 500, ≥1000
Ketones Urine	N/A	Acetoacetic acid reacts with nitroprusside to produce a maroon color.	Siemens Clinitek	N/A	Negative Manufacturer's sensitivity level is 5-10 mg/dL acetoacetic acid	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Trace, Small (15 mg/dL), Moderate (40 mg/dL), Large (280 mg/dL), Unable to analyze due to interfering substance	Negative, Trace, Small (15 mg/dL), Moderate (40 mg/dL), Large (≥80 mg/dL), Unable to analyze due to interfering substance
Leukocyte Esterase	N/A	Esterases contained in granulocytes catalyze the hydrolysis of the derivatized pyrrole amino acid ester to liberate 3-hydroxy-5-phenyl pyrrole which then reacts with a diazonium salt to produce a purple color.	Siemens Clinitek	N/A	Negative Manufacturer's sensitivity is 5- 15 white blood cells/hpf	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Trace, Small, Moderate, Large	Negative, Trace, Small, Moderate, Large
Myoglobin Urine	Urine Myoglobin Screening	The peroxidase-like activity of hemoglobin catalyzes the reaction of disopropylbenzene dihydroperoxide and 3,3',5,5'-tetramethylbenzidine to produce a color from orange to green.	Siemens Clinitek	N/A	Negative  Manufacturer's sensitivity is 0.015-0.062 mg/dL hemoglobin and myoglobin	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Trace, Small, Moderate, Large	Negative, Reflexed to Sendout
Nitrites Urine	N/A	At the acid pH of the reagent area, nitrite in the urine reacts with p-arsanilic acid to form a Diaz onium compound which couples with 1,2,3,4- tetrahydrobenzo(h)quinolin-3-ol to produce a pink color.	Siemens Clinitek	NA	Negative Manufacturer's sensitivity is 0.06 0.1 mg/dL nitrite ion	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Positive	Negative, Positive
Occult Blood, Fecal-Immunological	FIOB	Immunological Fecal Occult Blood Test is a rapid, immunoassay for the rapid qualitative detection of human hemoglobin (HGB) in feces.	Hemosure	N/A	Negative	N/A	N/A	N/A	Negative, Positive
Occult Blood, Gastric	Gastroccult	Developing solution (stabilized mixture of hydrogen peroxide and denatured alcohol) creates a reaction between hemoglobin and guaiac to produce a blue color.	Gastroccult Beckman	N/A	Negative	N/A	N/A	N/A	Negative, Positive
Occult Blood, Stool	Occult Blood, Fecal Hemoccult	Developing solution (stabilized mixture of hydrogen peroxide and denatured alcohol) creates a reaction between hemoglobin and guaiac to produce a blue color.	Hemoccult Beckman	N/A	Negative	N/A	N/A	N/A	Negative, Positive

pH Urine	N/A	Double indicator principle to cover the range of urinary pH range. Colors range from orange through yellow and green to blue.	Siemens Clinitek	N/A	5.0-7.0	N/A	Urinalysis and Body Fluid, Ringsrud 1995	CCL, RRL, James: 5.0 - ≥9.0 SSCBC, MMMP: 5.0 - ≥8.5	CCL, RRL, James: 5.0 - ≥9.0 SSCBC, MMMP: 5.0 - ≥8.5
Protein Urine	N/A	Based on the protein-error-of- indicators principle where at a constant pH, the development of any green color is due to the presence of protein.	Siemens Clinitek	mg/dL	Negative Manufacturer's sensitivity is 15- 30mg/dL albumin	N/A	Urinalysis and Body Fluid, Ringsrud 1995	Negative, Trace, 30mg/dL, 100mg/dL, ≥300mg/dL	Negative, Trace, 30mg/dL, 100mg/dL, ≥300mg/dL
RBC Casts	RBC Casts	Microscopic Examination of Urine Sediment and iQ200	CCL: Beckman RRL, James, MMMP, SSCBC: N/A	/lpf	0	Any seen	Urinalysis and Body Fluid, Ringsrud 1995	When reported: Rare, 1-2, 3-5, 6-9, 10-20, >20	When reported: Rare, 1-2, 3-5, 6-9, 10-20, >20
RBC Urine	N/A	Microscopic Examination of Urine Sediment, CCL has Urine Particle Counter (UF1000i) and	CCL: Sysmex or Beckman RRL, James, MMMP, SSCBC: N/A	/hpf	0-2	N/A	Urinalysis and Body Fluid, Ringsrud 1995	0-2, 3-5, 6-9, 10-20, >20	0-2, 3-5, 6-9, 10-20, >20
		iQ200 CCL: Fiber optic refractive	1021					CCL Clinitek Novus: 1.001-1.045	CCL Clinitek Novus: 1.001-1.045
Specific Gravity Urine	N/A	index method  RRL, James, MMMP, SSCBC: pKa change of pretreated polyelectrolyte in relation to ionic concentration	Siemens Clinitek	N/A	1.001-1.035	N/A	Urinalysis and Body Fluid, Ringsrud 1995	CCL, RRL, James, SSCBC, MMMP Clinitek Advantus/Status+: ≤1.005, 1.010, 1.015, 1.020, 1.025, ≥1.030	CCL, RRL, James, SSCBC, MMMP Clinitek Advantus/Status+: ≤1.005, 1.010, 1.015, 1.020, 1.025, ≥1.030
Squamous/Epithelial Cells	N/A	Microscopic Examination of Urine Sediment, CCL has Urine Particle Counter (UF1000i) and iQ200	CCL: Sysmex or Beckman RRL, James, MMMP, SSCBC: N/A	/hpf	Absent 1/hpf (1+) 2-5/hpf (2+)	N/A	Urinalysis and Body Fluid, Ringsrud 1995	None 1/hpf (1+) 2-5/hpf (2+) 6-8/hpf (3+) >8/hpf (4+)	None 1/hpf (1+) 2-5/hpf (2+) 6-8/hpf (3+) >8/hpf (4+)
Trichomonas	N/A	Microscopic Examination of Urine Sediment and iQ200	CCL: Beckman RRL, James, MMMP, SSCBC: N/A	N/A	absent	N/A	Urinalysis and Body Fluid, Ringsrud 1995	When reported: Persent	When reported: Persent
Urinalysis	U/A with Microscopic	Various	Siemens Clinitek, Sysmex and/or Beckman	N/A	Various	Various	Various	Various	Various
Urinalysis Reflex to Culture	UTI workup for general population	Various	Siemens Clinitek, Sysmex and/or Beckman	N/A	Various	Various	Various	Various	Various
Urine Dipstick with Reflex Microscopy	UASR	Various	Siemens Clinitek, Sysmex and/or Beckman if it is Positive	N/A	Various	Various	Various	Various	Various
Urobilinogen Urine	N/A	Ehrlich Reaction, in which p- diethylaminobenzaldehyde in conjunction with a color enhancer reacts with urobilinogen in a strongly acid medium to produce a pink-red color.	Siemens Clinitek	E.U./dL	0.2, 1.0	N/A	Urinalysis and Body Fluid, Ringsrud 1995	0.2, 1.0, 2.0,4.0, ≥8.0	0.2, 1.0, 2.0,4.0, ≥8.0
WBC Casts	N/A	Microscopic Examination of Urine Sediment and iQ200	CCL: Beckman RRL, James, MMMP, SSCBC: N/A	/lpf	0	Any seen	Urinalysis and Body Fluid, Ringsrud 1995	When reported: Rare, 1-2, 3-5, 6-9, 10-20, >20	When reported: Rare, 1-2, 3-5, 6-9, 10-20, >20
WBC Urine	N/A	Microscopic Examination of Urine Sediment, CCL has Urine Particle Counter (UF1000i) and iO200	CCL: Sysmex and Beckman RRL, James, MMMP, SSCBC: N/A	/hpf	0-5	N/A	Urinalysis and Body Fluid, Ringsrud 1995	0-5, 6-9, 10-20, >20	0-5, 6-9, 10-20, >20
Yeast /Fungi	N/A	Microscopic Examination of Urine Sediment and iQ200	CCL: Beckman RRL, James, MMMP, SSCBC: N/A	N/A	absent	N/A	Urinalysis and Body Fluid, Ringsrud 1995	When reported: Persent	When reported: Persent
Acetone, Blood Amikacin Level, Trough	N/A	Gas chromatography	Agilent GC	mg/dL	<10 Therapeutic Range:	≥10	N/A OSU	10-400	10-400
(Pre Drug Level) Amikacin Level, Peak	N/A	Turbidimetric immunoassay	Beckman	mcg/mL	< 6.0 Therapeutic: Range	≥6.0	Pharmacy OSU	3.0-50.0	3.0-150.0
(Post Drug Level)	N/A	Turbidimetric immunoassay	Beckman	mcg/mL	30.0-60.0 Therapeutic	≥60.0	Pharmacy	3.0-50.0	3.0-150.0
Amikacin Level, Random	Amikin	Turbidimetric immunoassay	Beckman	mcg/mL	Peak: 30.0-60.0 Trough: < 6.0	≥60.0	OSU Pharmacy	3.0-50.0	3.0-150.0
Amphetamine Confirmation, Urine	N/A	LC/MS/MS Gas chromatography /	SCIEX 3200 QTRAP	None Detected / Positive	None Detected	N/A	N/A	N/A	N/A
Barbiturate Confirmation, Urine	N/A N/A	Mass spectrometry	Agilent GC/MS Beckman	None Detected / Positive	None Detected Negative	N/A N/A	N/A N/A	N/A 1000 ne/mL cutoff	N/A N/A
Barbiturates Screen, Serum Benzodiazepine Confirmation - Urine	N/A N/A N/A	Mass spectrometry Enzyme immunoassay  LC/MS/MS	Agilent GC/MS  Beckman  SCIEX 3200 QTRAP	None Detected / Positive  None Detected / Positive  None Detected / Positive	None Detected  Negative  None Detected	N/A N/A N/A	N/A N/A N/A	N/A 1000 ng/mL cutoff N/A	N/A N/A N/A
Barbiturates Screen, Serum	N/A N/A Amphetamines Screen - Urine	Mass spectrometry Enzyme immunoassay	Beckman	None Detected / Positive	Negative	N/A	N/A	1000 ng/mL cutoff N/A 500 ng/mL	N/A
Barbiturates Screen, Serum  Benzodiazepine Confirmation - Urine Qualitative  BKR Amphetamine / Methamphetamine  BKR Barbiturates	N/A N/A Amphetamines Screen - Urine Barbiturates Screen - Urine	Mass spectrometry Enzyme immunoassay LC/MS/MS Enzyme immunoassay Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman Beckman	None Detected / Positive  None Detected / Positive  Negative / Presumptive Positive  None Detected / Positive	Negative None Detected Negative Negative	N/A N/A N/A N/A	N/A N/A N/A N/A	1000 ng/mL cutoff  N/A  500 ng/mL  200 ng/mL cutoff	N/A N/A N/A
Barbiturates Serven, Serum Benzodiazepine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodiazepines	N/A N/A Amphetamines Screen - Urine Barbiturates Screen - Urine Benzodiazepines Screen - Urine	Mass spectrometry Enzyme immunoassay  LC/MS/MS  Enzyme immunoassay  Enzyme immunoassay  Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive None Detected / Positive	Negative None Detected Negative Negative Negative	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	1000 ng/mL cutoff N/A 500 ng/mL 200 ng/mL cutoff 200 ng/mL cutoff	N/A N/A N/A N/A N/A
Barbiturates Screen, Serum  Benzodiazepine Confirmation - Urine Qualitative  BKR Amphetamine / Methamphetamine  BKR Barbiturates	N/A N/A Amphetamines Screen - Urine Barbiturates Screen - Urine Benzodiszepines Screen - Urine Buprenorphine Screen - Urine Cocaine Screen - Urine	Mass spectrometry Enzyme immunoassay LC/MS/MS Enzyme immunoassay Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman Beckman	None Detected / Positive  None Detected / Positive  Negative / Presumptive Positive  None Detected / Positive	Negative None Detected Negative Negative	N/A N/A N/A N/A	N/A N/A N/A N/A	1000 ng/mL cutoff  N/A  500 ng/mL  200 ng/mL cutoff	N/A N/A N/A
Barbiturates Screen, Serum Benzodiazepine Confirmation - Urine Omilitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Barbiturates BKR Benzodiazepines BKR Buprenorphine	N/A N/A Amphetamines Screen - Urine Barbiurates Screen - Urine Benzodiszepines Screen - Urine Buprenorphine Screen - Urine Cocaine Screen - Urine Creatinine - Urine Adulteration Creatinine - Urine Adulteration	Mass spectrometry Enzyme immunoassay  LC/MS/MS  Enzyme immunoassay  Enzyme immunoassay  Enzyme immunoassay  Enzyme immunoassay  Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive None Detected / Positive None Detected / Positive	Negative None Detected Negative Negative Negative Negative Negative	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff	N/A N/A N/A N/A N/A N/A
Barbiturates Screen, Serum Benzodizepine Confirmation - Irine Ounitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodiazepines BKR Buprenorphine BKR Buprenorphine BKR Cocaine	N/A  N/A  Amphetamines Screen - Urine  Barbitrates Screen - Urine  Benzodiazepines Screen - Urine  Benzodiazepines Screen - Urine  Cocsine Screen - Urine  Cocsine Screen - Urine  Creatine - Urine Adulteration  Screen  Glutarakelyske - Urine  Adulteration Screen	Mass spectrometry Enzyme immunoassay LC/MS/MS  Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman Beckman Beckman Beckman Beckman	None Detected / Positive None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive None Detected / Positive None Detected / Positive mg/dL ng/mL	Negative None Detected Negative Negative Negative Negative Negative Negative	N/A	N/A N/A N/A N/A N/A N/A N/A	1000 ng/mL cutoff  N/A  500 ng/mL  200 ng/mL cutoff  200 ng/mL cutoff  5 ng/mL cutoff  5 ng/mL cutoff  5 ng/mL cutoff  150 ng/mL cutoff  100ng/mL cutoff	N/A
Barbiturates Screen, Serum Benzodizepine Confirmation - Irine Outlitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodizepines BKR Buprenorphine BKR Cocaine BKR Duy Sereen Creatinine, Urine	N/A  N/A  Amphetamines Screen - Urine  Benzodiazepines Screen - Urine  Benzodiazepines Screen - Urine  Buprenorphine Screen - Urine  Cocatine Screen - Urine  Cocatine Screen - Urine  Cocatines - Urine Adulteration  Screen  Methadone Screen  Methadone Screen  Opiate Screen - Urine	Mass spectrometry Enzyme immunoassay LC/MS/MS  Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Modified Jaffe	Beckman SCIEX 3200 QTRAP Beckman Beckman Beckman Beckman Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive Mone Detected / Positive mg/dL	Negative None Detected Negative Negative Negative Negative Negative Negative Segative Negative Negative	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A SAMSHA	1000 ng/mL cutoff  N/A  500 ng/mL  200 ng/mL cutoff  200 ng/mL cutoff  5 ng/mL cutoff  150 ng/mL cutoff  5.0-300.0	N/A
Barbiturates Screen, Serum Betwodiuzepine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodiuzepines BKR Benzodiuzepines BKR Buprenorphine BKR Cocaine BKR Drug Screen Creatinine, Urine BKR Gutaradelyde BKR Methadone BKR Oplate BKR Oplate	N/A  N/A  Amphetamines Screen - Urine  Benzodiazepines Screen - Urine  Benzodiazepines Screen - Urine  Buprenorphine Screen - Urine  Cocaine Screen - Urine  Adulteration Screen  Methadore Screen - Urine  Opiate Screen - Urine  Opiate Screen - Urine  Oxidate- Urine - Urine  Oxidate- Urine - Urine  Oxidate- Urine - Urine	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive None Detected / Positive None Detected / Positive None Detected / Positive Ingelt.  None Detected / Positive ngelt. None Detected / Positive None Detected / Positive None Detected / Positive None Detected / Positive	Negative None Detected Negative	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A SAMSHA SAMSHA N/A SAMSHA N/A SAMSHA	1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  5 0-300.0  1000ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Glinical: 500ng/ml. cutoff  500ng/ml. cutoff  500ng/ml. cutoff  500ng/ml. cutoff  500ng/ml. cutoff  500ng/ml. cutoff	N/A
Barbiturates Serven, Serum Betzudiuzpine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Betzudiuzepines BKR Betzudiuzepines BKR Buprenorphine BKR Cocaine BKR Organie BKR Organie BKR Drug Serven Creatinine, Urine BKR Glutaraddehyde BKR Methadone BKR Methadone	N/A  N/A  Amphetamines Screen - Urine  Barbiturates Screen - Urine  Benzodiazepines Screen - Urine  Buprenorphine Screen - Urine  Cocaine Screen - Urine  Cocaine Screen - Urine  Creatinine - Urine Adulteration  Screen  Methadone Screen - Urine  Opiate Screen - Urine  Opiate Screen - Urine  Oxidants-Urine Adulteration  Screen  Oxidants-Urine Adulteration  Screen  Oxidants-Urine Adulteration  Screen  Oxidants-Urine Adulteration	Mass spectrometry Enzyme immunoassay LCMS-MS Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Enzyme immunoassay Andified Jaffe Colorimetric Enzyme immunoassay Enzyme immunoassay Colorimetric Enzyme immunoassay Enzyme immunoassay	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive ng/dL ng/mL None Detected / Positive	Negative None Detected Negative Negative Negative Negative Negative 220.0 Negative Negative Negative Negative Negative Negative Negative Negative	N/A	N/A	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  50-300.0  1000ng/ml. cutoff  Chilecter  300ng/ml. cutoff  Chilecter  500 ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff	N/A
Barbiturates Serven, Serum Betwoduzepine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzoduzepines BKR Benzoduzepines BKR Buprenorphine BKR Cocaine BKR Orig Serven Creatinine, Urine BKR Grataradebyde BKR Methadone BKR Oplate BKR Oplate BKR Osycodone BKR Dycodone BKR PH (Drug Serven) BKR PH (Drug Serven)	N/A  Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Cocaines Sereen - Urine Cocaines Sereen - Urine Cocaines Sereen - Urine Cocaines Sereen - Urine Adulteration Sereen Methadesyste - Urine Adulteration Sereen Methades Sereen - Urine Opiates Sereen - Urine Oxidates - Urine Adulteration Sereen Oxicodome Sereen - Urine H - Urine Adulteration Sereen Diff - Urine Adulteration Sereen Diff - Urine Adulteration Sereen PUT Sereen - Urine	Мая spectrometry	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive None Detected / Positive None Detected / Positive None Detected / Positive Ingift.  None Detected / Positive	Negative None Detected Negative	N/A	N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N	1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  (150 ng/ml. cutoff  5 0-300.0  1000ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Industrials: 2000 ng/ml. cutoff  50mg/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff	N/A
Barbiturates Serven, Serum Betwoduzepine Confirmation - Urine Qualitative BKR Confirmation - Urine Guiltative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzoduzepines BKR Buprenorphine BKR Cocaine BKR Cocaine BKR Gutaradebyde BKR Gutaradebyde BKR Gutaradebyde BKR Oplate BKR Oplate BKR Oplate BKR Oplate BKR Opseedone BKR Drug Serven) BKR PH (Drug Serven) BKR PH Cannabinoids (Marijanan) Cannabinoids (Marijanan)	N/A  N/A  Amphetamines Sereen - Urine  Benzodiazepines Sereen - Urine  Benzodiazepines Sereen - Urine  Buprenorphine Sereen - Urine  Cocaine Sereen - Urine  Cocaine Sereen - Urine  Adulteration Sereen  Ghrartaldelyde - Urine  Adulteration Sereen  Opiate Sereen - Urine  Opiate Sereen - Urine  Oxidants- Urine Adulteration  Sereen  Oxidants- Urine Adulteration  For Sereen - Urine  Urine Adulteration Sereen  PCP Sereen - Urine	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive Negative / Presumptive Positive None Detected / Positive	Negative None Detected Negative	N/A	N/A	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  50.200.0  1000ng/ml. cutoff  300ng/ml. cutoff  Citilied: 300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  50mg/ml. cutoff  100ng/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff	N/A
Barbiturates Serven, Serum Betwodiuzepine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Bearodiuzepines BKR Beuprenorphine BKR Cocaine BKR Greatine BKR Gutaradebyde BKR Gutaradebyde BKR Option BKR Overodone BKR DW Option BKR PH (Drug Serven) BKR PH (Cannahinoide (Martijunan) Cannahinoide (Martijunan) Cannahinoide (Martijunan) Cannahinoide (Martijunan) Cocaine Codifirmation	N/A  N/A  Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Buprenorphine Sereen - Urine Gosinio Sereen - Urine Gosinio Sereen - Urine Gosinio Sereen - Urine Adulteration Gostadorio Urine Opiate Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Oxidants- Urine Adulteration Sereen Oxidants- Urine Adulteration Sereen December - Urine The Company - Urine The Company - Urine The Sereen - Urine The Sereen - Urine N/A N/A	Mass spectrometry Enzyme immunossasy LC/MS/MS Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Modified Jaffe Colorimetric Enzyme immunossasy Enzyme immunossasy Colorimetric Enzyme immunossasy Colorimetric Enzyme immunossasy Enzyme immunossasy Colorimetric Enzyme immunossasy Colorimetric Enzyme immunossasy Colorimetric Enzyme immunossasy Colorimetric Enzyme immunossasy	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive None Detected / Positive None Detected / Positive None Detected / Positive Ingift.  None Detected / Positive	Negative None Detected Negative	N/A	N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N	1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  (150 ng/ml. cutoff  5 0-300.0  1000ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Industrials: 2000 ng/ml. cutoff  50mg/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff	N/A
Barbiturates Serven, Serum Betundiuzpine Confirmation - Urine Outlitable BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Betundiuzpines BKR Betundiuzpines BKR Betundiuzpines BKR Genaine BKR Cocaine BKR Cocaine BKR Outlier / Outli	N/A  N/A  Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Buptenorphine Sereen - Urine Cocaine Sereen - Urine Cocaine Sereen - Urine Cocaine Sereen - Urine Adulteration Sereen Methodone Sereen Methodone Sereen Methodone Sereen Methodone Sereen Methodone Sereen Drine Adulteration Oxycologies Sereen - Urine ptl - Urine Adulteration ptl - Urine Adulteration Sereen PCP Sereen - Urine THC Sereen - Urine THC Sereen - Urine THC Sereen - Urine	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay LCMS/MS	Beckman SCIEX 3200 QTRAP Beckman Aglent GCMS	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive	Negative None Detected Negative Negative Negative Negative Negative Negative 20.0 Negative 4.5-9.0	N/A	N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A   N/A   SAMSHA   N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  5.0-300.0  1000ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Glinical: 300ng/ml. cutoff  500ng/ml. cutoff  50ng/ml. cutoff  50ng/ml. cutoff  50ng/ml. cutoff  50ng/ml. cutoff  50ng/ml. cutoff  50ng/ml. cutoff  55ng/ml. cutoff  55ng/ml. cutoff  55ng/ml. cutoff  55ng/ml. cutoff	N/A	
Barbiturates Serven, Serum Betzundizepine Confirmation - Urine Ounditative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Betzundizepines BKR Betzundizepines BKR Benzundizepines BKR Geraine BKR Geraine BKR Greatine BKR Outstandehyde BKR Methadone BKR Outstandehyde BKR Outstandehyde BKR Outstandehyde BKR Outstandehyde BKR Opinte BKR Ovendome BKR Oyendem BKR Distrandehyde BKR Oyendome BKR Distrandehyde Contaminosite (Marijuma) Camabinoids, Quant (trine) THC Confirmation Buyenenphine and Ondrupersomphine and Ondrupersomphine (Trine)	N/A  N/A  Amphetamines Sereen - Urine  Benzodiazepines Sereen - Urine  Benzodiazepines Sereen - Urine  Buptenorphine Sereen - Urine  Cocaine Sereen - Urine  Cocaine Sereen - Urine  Cocaine Sereen - Urine  Adulteration Sereen  Methadons Sereen  POSSERNE Urine  Adulteration Sereen  PCF Sereen - Urine  pH - Urine Adulteration Sereen  PCF Sereen - Urine  THC Sereen - Urine  N/A  Substoone, Buperenorphine	Mass spectrometry Enzyme immunosasy LCMSMS Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Modified Jaffe Colorimetric Enzyme immunosasy Enzyme immunosasy Colorimetric Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Lobrimetric Enzyme immunosasy Colorimetric Enzyme immunosasy Lobrimetric Enzyme immunosasy Colorimetric Enzyme immunosasy Lobrimetric Enzyme immunosasy Colorimetric Enzyme immunosasy Lobrimetric Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Colorimetric Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Enzyme immunosasy Colorimetric Enzyme immunosasy Colorimetric Enzyme imm	Beckman SCIEX 3200 QTRAP Beckman Agean GCMS SCIEX 3200 QTRAP	None Detected / Positive None Detected / Positive Nogative / Prosumptive Positive None Detected / Positive ng/dL None Detected / Positive	Negative None Detected Negative	N/A	N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml. cutoff  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  Guideline cutoff  Cilialcal: 300ng/ml. cutoff  Guideline cutoff  Some gird. cutoff  50ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  50ng/ml. cutoff	N/A	
Barbiturates Serven, Serum Betzudiuzpine Confirmation - Urine Outlitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzudiuzpines BKR Benzudiuzpines BKR Benzudiuzpines BKR Cacaine BKR Oxidante BKR Oxidante BKR Oxidante BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants Confirmation (Oxidante Confirmation Cycle (Citrallinated Peptide Ab Cyclosportine Level, Trough (Pre Drug Level) Cyclosportine Level,	N/A  Ampletamines Screen - Urine Benzodiazepines Screen - Urine Benzodiazepines Screen - Urine Benzodiazepines Screen - Urine Cocaine Screen - Urine Creatines - Urine Adulteration Screen Gratianel-Urine Adulteration Screen Methadone Screen - Urine Opiate Screen - Urine Ozidants- Urine Adulteration Ozidants- Urine Adulteration Screen Methadone Screen - Urine Oxidants- Urine Adulteration Screen - Urine THC Screen - Urine THC Screen - Urine THC Screen - Urine THC Screen - Urine N/A Subonon, Buprenorphine metabolite	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Colorimetric Enzyme	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Nogative / Prosumptive Positive None Detected / Positive ng/dL None Detected / Positive ng/nL	Negative None Detected Negative Negativ	N/A	N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   N/A   SAMSHA   N/A   SAMSHA   N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  Globageml. cutoff  Clinical: 300ng/ml. cutoff  Clinical: 300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  50ng/ml. cutoff	N/A	
Barbiturates Serven, Serum Betzundizepine Confirmation - Urine Decondizepine Confirmation - Urine Decondizepine Confirmation - Urine BERR Amphetamine / Methamphetamine BERR Barbiturates BER Betzundizepines BERR Betzundizepines BERR Geraine BERR Coraine BERR Coraine BERR Containe BERR Object BERR Methadone BERR Object BERR Methadone BERR Object BERR Object BERR Object BERR Object BERR Object BERR Object Consideration (Martjuman) Camarbinoids, Quant (trine) THE Cocaine Confirmation, Urine Confirmation Represerphine and Norburpersorphine (Trine) Cyclic Cirtuilinated Peptide Ab Cycle Cyclic Cirtuilinated Peptide Ab Cycle Cirtuilinated Peptide Ab	N/A N/A N/A Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Buprenorphine Sereen - Urine Goeinine Sereen - Urine Toestanine - Urine Adulteration Sereen Methadone Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Popiate Sereen - Urine Third Adulteration Sereen Direct Adulteration Sereen The Sereen - Urine The Adulteration Sereen The Sereen - Urine The Sereen - Urine The Sereen - Urine N/A N/A Subnoone, Buprenorphine metabolise Anti-CCP	Mass spectrometry Enzyme immunossay LC/MS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Andifed Jaffle Colorimetric Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Colorime	Beckman SCIEX 3200 QTRAP Beckman Aglen GOMS SCIEX 3200 QTRAP Aglent QQQ LCMS Abbott	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive	Negative Nene Detected Negative Some	N/A	N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  5 0.300.0  1000ng/ml. cutoff  300ng/ml. cutoff  Citilities  300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  4.5 - 9.0  25ng/ml. cutoff  50ncg/ml. cutoff  50ncg/ml. cutoff  30ncg/ml. cutoff  30ncg/ml. cutoff  100ng/ml. cutoff  30ncg/ml. cut	N/A	
Barbiturates Serven, Serum Betzudützepine Confirmation - Urine Qualitative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzudützepines BKR Benzudützepines BKR Benzudützepines BKR Cacaine BKR Oraine BKR Oraine BKR Oraine BKR Orbitaration, Urine BKR Opidates BKR Opidat	N/A  N/A  Amphetamines Screen - Urine  Berzodiazepinies Screen - Urine  Berzodiazepinies Screen - Urine  Buprenorphine Screen - Urine  Cocatines - Urine Authoration Screen  Creatinies - Urine Adulteration Screen  Methadone Screen - Urine  Opiate Screen - Urine  Opiate Screen - Urine  Oxidants- Urine Adulteration  Oxidants- Urine Adulteration  Oxidants- Urine Adulteration  The Adulteration Screen  Oxidants- Urine Adulteration  Oxidants- Urine  The Creen - Urine  The Screen - Urine	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Chemlutaniescent introparticle immunossay Chemlutaniescent introparticle immunossay Chemlutaniescent introparticle immunossay Chemlutaniescent introparticle immunossay	Beckman SCIEX 3200 QTRAP Beckman Aglent GCMS SCIEX 3200 QTRAP Aglent QQQ LCMS Abbott Abbott Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive	Negative None Detected Negative Negativ	N/A	N/A   SAMSHA   N/A   N	1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml. cutoff  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  5.0,300.0  1000 ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Clinical: 300ng/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff  100mg/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff  50mg/ml. cutoff  30mg/ml. cutoff  5.500  N/A  3.1-5,000.0  30-1,500  30-1,500	N/A
Barbiturates Serven, Serum Betzunditzepine Confirmation - Urine Deconditizepine Confirmation - Urine BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Betzunditzepines BKR Betzunditzepines BKR Benzunditzepines BKR Ocealine Continuation (Variational Commission Ocealines) Continuation (Variational Continuation (V	N/A N/A N/A Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Gomine Sereen - Urine Comine Sereen - Urine Comine Sereen - Urine Adulteration Sereen Ghrartaldebyde - Urine Adulteration Sereen Ophates Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Opiate Sereen - Urine Polyaderate - Urine North - Urine Adulteration Sereen POS Sereen - Urine NIA NIA Subsound Furine Adulteration Sereen THE Sereen - Urine NA NIA Subsound Buprenorphine metabolise metabolise Anti-CCP CSAN CSAN2 10MECO 10DRUG Akobol-Ethyl	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay LCMS/MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Chembuninescent incroparticle immunossay Chembuninescent incroparticle immunossay Chembuninescent incroparticle immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Aghent GCMS Abbott Abbott Abbott Beckman Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive	Negative Nene Detected Negative Seative Negative	N/A	N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  5.0-300.0  1000ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  4.5 - 9.0  25mg/ml. cutoff  4.5 - 9.0  25mg/ml. cutoff  5-500  N/A  3.1-5,000.0  0.5-200.0  30-1,500  N/A  N/A  N/A	N/A	
Barbiturates Serven, Serum Betundiuzpine Confirmation - Urine Outlitable BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodiuzepines BKR Benzodiuzepines BKR Benzodiuzepines BKR Grosaine BKR Coraine BKR Coraine BKR Origine B	N/A  N/A  Amphetamines Screen - Urine  Benzodiazopines Screen - Urine  Benzodiazopines Screen - Urine  Buptenorphine Screen - Urine  Cosaine Screen - Urine  Cosaine Screen - Urine  Cosaine Screen - Urine  Adulteration Screen  Methadons Screen  PCP Screen - Urine  PCP Screen - Urine  NA  Subotone, Buptenorphine  metabolite  Anti-CCP  CSAN2  IOMECO  IODRUG	Mass spectrometry Enzyme immunossasy LC/MS/MS Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Modified Jaffe Colorimetric Enzyme immunossasy Chemiluminoscent microparticle immunossasy Chemiluminoscent microparticle immunossasy Chemiluminoscent microparticle immunossasy Chemiluminoscent microparticle immunossasy Enzyme immunossasy Enzyme immunossasy	Beckman SCIEX 3200 QTRAP Beckman Aglent GCMS SCIEX 3200 QTRAP Aglent QQQ LCMS Abbott Abbott Abbott Beckman Beckman Aglent GCMS SCIEX 3200 QTRAP Aglent QQQ LCMS Abbott Abbott Abbott Abbott Beckman Beckman Beckman Aglent GCMS SCIEX 3200 QTRAP Aglent QQQ LCMS Abbott Abbott Abbott Abbott Beckman Beckman	None Detected / Positive ngml. None Detected / Positive ngml. None Detected / Positive ngml. None Detected / Positive	Negative None Detected Negative A 5-9 0 Negative	N/A	N/A   SAMSHA   N/A   SAMSHA   N/A   SAMSHA   N/A   N	1000 ng/ml. cutoff  N/A  500 ng/ml.  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  150 ng/ml. cutoff  5 ng/ml. cutoff  Glinical: 300ng/ml. cutoff  Clinical: 300ng/ml. cutoff  Glinical: 300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  50ncg/ml. cutoff  50ncg/ml. cutoff  50ncg/ml. cutoff  5 ng/ml. cu	N/A
Barbiturates Serven, Serum Betzundizepine Confirmation - Urine Ounditative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Benzodiazepines BKR Benzodiazepines BKR Benzodiazepines BKR Genzine BKR Genzine BKR Containe BKR Containe BKR Outstandebyde BKR Methadone BKR Outstandebyde BKR Methadone BKR Outstandebyde BKR Outstandebyde BKR Opiate BKR Ovendone BKR Opiate BKR Ovendone BKR DYNOGONE BKR Ovendone BKR DYNOGONE BKR Ovendone BKR DYNOGONE Containation (Variquana) Cannabinoids (Mariquana) Cannabinoids (Mariquan	N/A  N/A  Amphetamines Screen - Urine  Benzodiazepines Screen - Urine  Benzodiazepines Screen - Urine  Benzodiazepines Screen - Urine  Buptenorphine Screen - Urine  Cosaine Screen - Urine  Cosaine Screen - Urine  Cosaine Screen - Urine  Adulteration Screen  Methadone Screen - Urine  Opiate Screen - Urine  NA  Substanta - Urine  NA  Substanta - Urine  NA  Substanta - Urine  Anti-CCP  CSAN2  IOMECO  IORUGO  Alcohol-Ethyl  Aksohol-Ethyl  Aksohol-Ethyl  Afinitor	Mass spectrometry Enzyme immunossay LCMS MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Chemlutaniescent microparticle immunossay Chemlutaniescent microparticle immunossay Chemlutaniescent microparticle immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Aglent GC/MS	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive ngirnl. U/nl. None Detected / Positive ngirnl. U/nl. None Detected / Positive None Detect	Negative None Detected Negative 4.5-9.0 Negative 4.5-9.0 Negative Negative Negative Negative Negative 1.1 1.2 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	N/A   Mécogenis Copy Thermo	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  50.000.0  1000ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  4.5 - 9.0  25ng/ml. cutoff  4.5 - 9.0  30-1500  N/A  3.1-5000.0  30-1500  N/A  N/A  N/A  10-600  10-400	N/A
Barbiturates Serven, Serum Betundiuzpine Confirmation - Urine Outlitable BKR Amphetamine (Methamphetamine BKR Barbiturates BKR Benzodiuzepines BKR Benzodiuzepines BKR Benzodiuzepines BKR Cocaine BKR Cocaine BKR Cocaine BKR Origine Commission BKR Origine Commission BKR Origine Commission Commission Commission Commission Commission Commission Commission Commission Commission Cocaine Confirmation Confirmation Cocaine Confirmation Confirmation Commission Confirmation Confirmation Commission	N/A N/A N/A N/A Amphetamines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Gonine Sercen - Urine Conine Sercen - Urine Conine Sercen - Urine Adulteration Sercen Ghrartaldelyole - Urine Adulteration Sercen Opiate Sercen - Urine POP Sercen - Urine N/A Subosone, Bupercurphise metable Anti-CCP CSAN CSAN2 IOMECO IODRUG Akobol-Ethyl Akobol-Ethyl Akobol-Ethyl Afonior Afoni	Mass spectrometry Enzyme immunossasy LCAMS MS Enzyme immunossasy Modified Jaffle Colorimetric Enzyme immunossasy Enzyme immunossasy Enzyme immunossasy Colorimetric Enzyme immunossasy Chembaninescent microparticle immunossasy Enzyme immunossasy	Beckman SCIEX 3200 QTRAP Beckman Agliert GC/MS Abbott Abbott Beckman Abbott Beckman Beckman Beckman Abbott Beckman Beckman Abbott	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive ng/ml. U/ml. None Detected / Positive ng/ml. U/ml. None Detected / Positive ng/ml. U/ml. Negative / Presumptive Positive Positive Negative / Presumptive Positive ng/dl. ng/dl. ng/ml. Negative / Presumptive Positive Positive/Presumptive Positive/ Positive/Presumptive Positive/ Positive/Presumptive Positive/ Negative / Presumptive Positive/ Positive/	Negative Nene Detected Negative -<	N/A	N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  150 ng/ml. cutoff  5 ng/ml. cutoff  300ng/ml. cutoff  2000 ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  4 5 - 9 0  25mg/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  3 ng/ml. cutoff  5 ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  N/A  3.1-5,000.0  N/A  N/A  10-600  1 ng/ml. cutoff  1 ng/ml. cutoff  3.1-5,000.0	N/A	
Barbiturates Serven, Serum Berundiazepine Confirmation - Urine Ounlitative BKR Amphetamine (Methamphetamine BKR Barbiturates BKR Berundiazepines BKR Berundiazepines BKR Berundiazepines BKR Gosnine BKR Gosnine BKR Gosnine BKR Occasine Constitution (Marijuana) Cananhinoids (Marijuana) Cananhinoids (Marijuana) Constitution Burpersorphine and Norbaneromorphine, Urine Confirmation Burpersorphine and Norbaneromorphine, Urine Cycles Cardinase (Prop Level) Cyclosporine Level, Trough (Pre Drug Level) Drugs of Abuse Screen 10, Urine Ethyl Alcohol, Urine Ethyl Alcohol, Blood Everolimus, Trough (Pre Drug Level) Fentanyl, Urine, Qualitative Fentanyl, Urine, Qualitative	N/A  N/A  Amphetamines Sereen - Urine  Benzodiazepines Sereen - Urine  Benzodiazepines Sereen - Urine  Benzodiazepines Sereen - Urine  Buptenorphine Sereen - Urine  Cocaine Sereen - Urine  Cocaine Sereen - Urine  Cocaine Sereen - Urine  Adulteration Sereen  Methadone Sereen  Dystem - Urine  pH - Urine Adulteration Sereen  PCP Sereen - Urine  pH - Urine Adulteration Sereen  FCP Sereen - Urine  NA  Substante, Buptenorphine metabolite  Anti-CCP  CSAN2  10MECO  10DRUG  Akoobel-Edyl, ETOH  Akoobel-Edyl, ETOH  Afinitor  Zortress  N/A	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay LCMS/MS Chemiluminoscent microparticle immunossay Chemiluminoscent microparticle immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Aghent GCMS SCIEX 3200 QTRAP Aghent QQQ LCMS Abbott Abbott Beckman	None Detected / Positive	Negative Nene Detected Negative 1.5.0 None Detected 1.5.0 Therapeutic Range: 320 - 960 Negative Negative 1.1 1.5.0 Therapeutic Range: 320 - 960 Negative 1.1 1.5.0 Therapeutic Range: 320 - 960 Negative 1.5.0 Therapeutic Range: 320 - 960	N/A	N/A    1000 ng/ml. cutoff N/A 500 ng/ml. cutoff 200 ng/ml. cutoff 200 ng/ml. cutoff 120 ng/ml. cutoff 5 ng/ml. cutoff 150 ng/ml. cutoff 150 ng/ml. cutoff 150 ng/ml. cutoff 150 ng/ml. cutoff 1000ng/ml. cutoff Clinical: 3000 gm/ml. cutoff 1000ng/ml. cutoff 100ng/ml. cutoff 50ncg/ml. cutoff 50ncg/ml. cutoff 50ncg/ml. cutoff 50ncg/ml. cutoff 50ncg/ml. cutoff 30ncg/ml. cutoff 50ncg/ml. cutoff 10ncg/ml. cutoff 10ncg/ml. cutoff 10ncg/ml. cutoff	N/A	
Barbiturates Serven, Serum Berundiazepine Confirmation - Urine Ounlitative BKR Amphetamine (Methamphetamine BKR Barbiturates BKR Berundiazepines BKR Berundiazepines BKR Berundiazepines BKR Genaine BKR Genaine BKR Genaine BKR Occasine Constitution (Verine) THC Confirmation Constitution (Verine) THC Confirmation Depressorphine and Norbaneronorphine, Urine Confirmation Depressorphine and Norbaneronorphine, Urine Cyclic Curinalizated Poptide Ab Cyclic Curinalizated Poptide Ab Cyclic Curinalizated Poptide Ab Cyclosporine Level, Though (Pre Drug Level) Cyclosporine Level, The Ethal Alcohol, Urine Ethal Alcohol, Blood Everolimus, Trough (Pre Drug Level) Fentanyt, Urine, Quantitative Gentamicia Level, Poak (Prot Drug Level) Gentamicia Level, Poak (Prot Drug Level)	N/A N/A Amphetamines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Cocaine Sercen - Urine Cocaine Sercen - Urine Gostine Sercen - Urine Cocaine Sercen - Urine Cocaine Sercen - Urine Adulteration Sercen Ghartafeldyske - Urine Adulteration Sercen Opiate Sercen - Urine Opiate Sercen - Urine Opiate Sercen - Urine Opiate Sercen - Urine PCP Sercen - Urine H - Urine Adulteration Sercen PCP Sercen - Urine THE SE	Mass spectrometry Enzyme immunossasy LC/MS/MS Enzyme immunossasy Modified Jaffe Colorimetric Enzyme immunossasy Enzyme immunossasy Colorimetric Enzyme immunossasy	Beckman SCIEX 3200 QTRAP Beckman	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive None Detected	Negative Nene Detected Negative 14.5-9.0 Negative Negative 4.5-9.0 Negative Negative 15.0 Negative Negative 16.1 1	N/A	N/A   OSU	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  5 ng/ml. cutoff  6 ng/ml. cutoff  Chlicial  Chlicial  2000 ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  100ng/ml. cutoff  4.5 - 9.0  25 ng/ml. cutoff  4.5 - 9.0  25 ng/ml. cutoff  5.500  N/A  3.1 - 5,000.0  30-1,500  N/A  N/A  10-600  10-400  2.0-20.0  1 ng/ml. cutoff  3.1 - 5,000.0  0.3-10.0  0.3-10.0  0.3-10.0	N/A
Barbiturates Serven, Serum Beroudiuzepine Confirmation - Urine Oudinative BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Beroudiuzepines BKR Beroudiuzepines BKR Beroudiuzepines BKR Beroudiuzepines BKR Georaine BKR Coraine BKR Coraine BKR Outstardadehyde BKR Methadone BKR Opiate BKR Outstardadehyde BKR Outstardadehyde BKR Opiate Conditionation (Urine) BKR Phencyclidine Conditionation (Urine) BKR Phencyclidine Conditionation (Urine) BKR Phencyclidine Conditionation (Urine) Conditionation (Urine) The Conditionation (Urine) Conditionation (Urine) Cyclosporine Level, Trough (Pre Drug Level) Cyclosporine Level, Prog. (Pre Drug Level) Drugs of Abuse Screen 10, Urine Ethanol (Alcohol), Urine Ethanol (Alcohol), Urine Ethanol (Alcohol), Blood Everolimus, Trough (Pre Drug Level) Fentanyl, Urine, Qualitative	N/A N/A N/A N/A Amphetamines Sereen - Urine Benzodiazepines Screen - Urine Benzodiazepines Screen - Urine Benzodiazepines Screen - Urine Gosinie Screen - Urine Gosinie Screen - Urine Orienta - Urine Adulteration Screen Methadone Screen - Urine Opiate Screen - Urine Opiate Screen - Urine Opiate Screen - Urine Opiate Screen - Urine Popiate Screen - Urine Oxidants- Urine Adulteration Screen Oxidants- Urine Adulteration Screen FIFE Screen - Urine THE Screen - Urine N/A Subsonone, Buprenorphine metabolise Anti-CCP CSAN CSAN2 10MECO 10DRUG Akobol-Ethyl ETOH Akobol-Ethyl ETOH Akobol-Ethyl ETOH Akobol-Ethyl ETOH Akobol-Ethyl ETOH Akobol-Ethyl Urine Confirmation N/A Fentanyl Urine Confirmation N/A Fentanyl Urine Confirmation N/A Fentanyl Urine Confirmation	Mass spectrometry Enzyme immunossay LCMS MS Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Chemluminissecut microparticle immunossay Chemluminissecut microparticle immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Agliert GCMS Abbott Abbott Beckman Deckman Beckman	None Detected / Positive None Detected / Posit	Negative Nene Detected Negative 4.5-9.0 Negative 4.5-9.0 Negative Negative 4.5-9.0 Negative Negative 4.5-9.0 Negative Negative 1.5-0 Negative Negative 1.5-0 Nerapeutic Range: 320 - 960 Negative Negative Negative 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	N/A	N/A    1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  300ng/ml. cutoff  300ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  100ng/ml. cutoff  4 5 - 9 0  25 ng/ml. cutoff  4 5 - 9 0  30 - 15 0  N/A  3.1 - 5,000.0  0.5 - 200.0  N/A  N/A  10 - 600  10 - 400  2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	N/A	
Barbiturates Serven, Serum Berundiuzpine Confirmation - Urine Ounlitable BKR Amphetamine (Methamphetamine BKR Barbiturates BKR Berundiuzpines BKR Berundiuzpines BKR Berundiuzpines BKR Genaine BKR Genaine BKR Genaine BKR Greatine, Urine BKR Greatine, Urine BKR Object BKR Methadone BKR Object BKR Methadone BKR Object BKR Methadone BKR Object BKR Methadone BKR Object BKR Object Confirmation (Urine) THE CONFIRMATION (URIN	N/A N/A Amphetamines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Cocaine Sercen - Urine Adulteration Sercen Ghrartalebyds - Urine Adulteration Sercen Cocaine - Urine Opiate Sercen - Urine Opiate S	Mass spectrometry Enzyme immunossay LC/MS/MS Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay Chemluminescent incroparticle immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Aglent GC/MS Abbott Abbott Abbott Beckman	None Detected / Positive None Detected / Positive Nogative / Presumptive Positive None Detected / Positive ng/nL None Detected / Positive Nogative / Presumptive Positive Positive Negative / Presumptive Positive ng/dL ng/mL Negative / Presumptive Positive ng/mL None Detected / Positive mg/dL	Negative Nene Detected Negative Negativ	N/A	N/A	1000 ng/ml. cutoff N/A 500 ng/ml. 200 ng/ml. cutoff 200 ng/ml. cutoff 200 ng/ml. cutoff 5 ng/ml. cutoff 6 ng/ml. cutoff 6 ng/ml. cutoff 6 ng/ml. cutoff 6 ng/ml. cutoff 1000ng/ml. cutoff 4.5 - 9.0 25mg/ml. cutoff 5 ng/ml. cutoff 5 ng/ml. cutoff 1000ng/ml. cutoff	N/A
Barbiturates Serven, Serum Betoudiuzepine Confirmation - Urine Decondiuzepine Confirmation - Urine BKR Amphetamine / Methamphetamine BKR Barbiturates BKR Barbiturates BKR Barbiturates BKR Buprenorphine BKR Georine BKR Georine BKR Georine BKR Golater BKR Golater BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants BKR Oxidants Confirmation BKR Phenexicidine BKR Phenexicidine Confirmation Buprenorphine and Norbuprenorphine of the Confirmation of the Co	N/A N/A N/A Amphetamines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Benzodiazepines Sereen - Urine Gosinio Sereen - Urine Gosinio Sereen - Urine Gosinio Sereen - Urine Opiate Sereen - Urine N/A N/A N/A N/A N/A Alcohol-Ethyl ETOH N/A N/A N/A Alcohol-Methyl N/A N/A N/A Alcohol-Methyl N/A	Mass spectrometry Enzyme immunossay LCMS/MS Enzyme immunossay Modified Jaffe Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Enzyme immunossay LCMS/MS Chemiluminosecut microparticle immunossay Enzyme immunossay LCMS/MS Gas chromatography Enzyme immunossay LCMS/MS Gas chromatography Enzyme immunossay LCMS/MS Gas chromatography Enzyme immunossay Enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Aghent GCMS SCIEX 3200 QTRAP Aghent QQQ LCMS Beckman Aghent GC Beckman Aghent GC Beckman Beckman Beckman Beckman Aghent GC Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive Nogative / Presumptive Positive Positive Negative / Presumptive Positive Negative / Presumptive Positive ng/dL mg/dL mg/mL Negative / Presumptive Positive positive neg/mL Negative / Positive neg/mL None Detected / Positive noutl. None Detected / Positive noutl. None Detected / Positive	Negative Neaptive Negative A5-90 Neaptive Negative S-10 Nene Detected S-10 Therapeutic Range: 320 - 960 Negative S-10 Therapeutic Range: 10-10 Due to different protocols using S-10 Due to different protocols using	N/A	N/A	1000 ng/ml. cutoff  N/A  500 ng/ml.  200 ng/ml. cutoff  200 ng/ml. cutoff  5 ng/ml. cutoff  6 ng/ml. cutoff  7 ng/ml. cutoff  100 ng/ml. cutoff  100 ng/ml. cutoff  100 ng/ml. cutoff  4 5 - 9.0  5 ng/ml. cutoff  100 ng/ml. cutoff  5 ng/ml. cutoff  1 ng/ml. cutoff  1 ng/ml. cutoff  1 ng/ml. cutoff  3 ng/ml. ng	N/A
Barbiturates Serven, Serum Berundiazepine Confirmation - Urine Ounlitative BKR Amphetamine (Methamphetamine BKR Barbiturates BKR Berundiazepines BKR Berundiazepines BKR Berundiazepines BKR Genaine BKR Genaine BKR Genaine BKR Organiae Commitmentiae Com	N/A N/A Amphetamines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Benzodiazepines Sercen - Urine Cocaine Sercen - Urine Cocaine Sercen - Urine Genzine Sercen - Urine Cocaine Sercen - Urine Adulteration Sercen Ghrartaldelysic - Urine Adulteration Sercen Ghrartaldelysic - Urine Adulteration Sercen Opiate Sercen - Urine FORGOREN Sercen - Urine NA NA Subottone, Buprenorphine motabolite Anti-CCP CSAN CSAN2  10MECO 10DRUG Akohol-Ethyl Akohol-Ethyl Akohol-Ethyl Torress N/A N/A Fentami Urine Confirmation N/A N/A Sercen - Urine N/A N/A Sercen - Urine N/A	Mass spectrometry Enzyme immunossay LC/MS/MS Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Colorimetric Enzyme immunossay Enzyme immunossay Enzyme immunossay Chemluminosca tracoparticle immunossay Enzyme immunossay Cola chromatography Enzyme immunossay Cola chromatography Goa chromatography Goa chromatography Goa chromatography Goa chromatography Goa chromatography Goa chromatography Honogencous enzyme immunossay	Beckman SCIEX 3200 QTRAP Beckman Self-Beckman Beckman Beckman Self-Beckman Beckman Beckman Beckman Self-Beckman Beckman Beckman Beckman Beckman Beckman Self-Beckman Beckman	None Detected / Positive None Detected / Positive Negative / Presumptive Positive None Detected / Positive ng/nL None Detected / Positive Negative / Presumptive Positive Positive Negative / Presumptive Positive ng/nL ng/mL Negative / Presumptive Positive ng/mL neg/mL neg/mL Negative / Presumptive Positive ng/mL neg/mL Negative / Presumptive Positive ng/mL neg/mL Negative / Presumptive Positive ng/mL neg/mL None Detected / Positive ng/mL None Detected / Positive ng/ml	Negative A5-9.0 Negative A5-9.0 Negative A5-9.0 Negative A5-9.0 Negative Negative Negative A5-9.0 Negative Nega	N/A	N/A    1000 ng/ml. cutoff N/A 500 ng/ml. 200 ng/ml. cutoff 200 ng/ml. cutoff 200 ng/ml. cutoff 5 ng/ml. cutoff 5 ng/ml. cutoff 5 ng/ml. cutoff 5 ng/ml. cutoff 6 ng/ml. cutoff 1000ng/ml. cutoff	N/A	

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Pentobarbital Level	Nembutal	Gas chromatography	Agilent GC	ug/mL	Intracranial pressure therapy: 30-40	>45	OSU Pharmacy	5-50	5-50
Phenytoin Free Level	Dilantin, Free	Chemiluminescent microparticle immunoassay	Abbott	mcg/mL	0.6-2.4 (Therapeutic Range)	>3.0	OSU Pharmacy	0.5-40.0	0.5-40.0
Procalcitonin	PROCAL	Chemiluminescent microparticle immunoassay	Abbott	ng/mL	All: ≤0.50	N/A	Package insert	0.02-100.00	0.02 - 1,000.00
Qualitative Ethylene Glycol	Ethylene Glycol Level	Enzymatic UV	Beckman	mg/dL	None Detected	≥10 (Presumptive Positive)	N/A	N/A	N/A
Quantitative Ethylene Glycol	N/A	Gas chromatography	Agilent GC	mg/dL	<10 Bone Marrow Transplant:	≥10	N/A	10-250	10-250
Sirolimus (Rapamycin) Level, Random	Rapamycin	Chemiluminescent microparticle immunoassay	Abbott	ng/mL	4.0-12.0 Therapeutic: 5.0-30.0	N/A	OSU Pharmacy	2.0-30.0	2.0-60.0
Specific Gravity - Urine Adulteration Screen	N/A	refractometer	Refractometer	N/A	1.003-1.030  Bone Marrow Transplant:	N/A	SAMSHA	1.000-1.045	1.000-1.045
Tacrolimus, Random	Prograf	Chemiluminescent microparticle immunoassay	Abbott	ng/mL	4.0-12.0 Therapeutic: 5.0-15.0	N/A	OSU Pharmacy	2.0-30.0	2.0-60.0
Talbot Hall Drug Screen With Alcohol And Creat, Urine	N/A	Enzyme immunoassay	Beckman	None Detected / Positive	None Detected	N/A	N/A	N/A	N/A
Toxicology Drug Screen, Serum	SDRG	LC/MS/MS, Enzyme immunoassay	SCIEX 3200 QTRAP	None Detected / Positive	None Detected	N/A	N/A	N/A	N/A
Toxicology Screen Urine - UDRG	UDRG	LC/MS/MS, Enzyme immunoassay	SCIEX 3200 QTRAP	None Detected / Positive	None Detected	N/A	N/A	N/A	N/A
Toxicology, Umbilical Cord Segment	Cord Drugs of Abuse	Immunoassay, liquid chromatography, Mass spectrometry	SCIEX 3200 QTRAP	None Detected / Positive	None Detected	N/A	OSU Toxicology	N/A	N/A
Valproic Acid, Free	FVPA	Chemiluminescent microparticle immunoassay	Abbott	mcg/mL	5-35 (Therapeutic Range)	>40	OSU Pharmacy	2-150	2-150
Valproic Acid, Total	VPA	TOX: Chemiluminescent microparticle immunoassay	TOX: Abbott RRL: Beckman	mcg/mL	50-120 (Therapeutic Range)	>150	Applied Clinical Pharmacokinetics, 2001 Clinical	4-150	4-750
Cytogenetic Studies	Cytogenetics, karyotype Chromosome Annalysis	Manual	N/A	N/A	See report	N/A	N/A	N/A	N/A
MDS FISH Panel	N/A	Fluorescent in situ Hybridization (FISH)	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 1q25.2 (ABL2)	CG1q25.2	Fluorescent in situ Hybridization (FISH)	Empire Genomics	N/A	range N/A	N/A	N/A	N/A	N/A
CG 9q34.11-q34.13 (ABL1)	CG9q34.11-9q34.13	Fluorescent in situ Hybridization	Empire Genomics	N/A	See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 7p11.1-q11.1, 7q31 (D7Z1-D7S486)	7q31-7centromere, -7, 7q-	(FISH) Fluorescent in situ Hybridization (FISH)	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
					range See report or contact lab at 614-				
CG 20q12, 8p11.1-q11.1 (D20S108-D8Z2)	20q12, 20q-	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CLL FISH Panel	N/A	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 2p16.1, 2q32.1 (REL-DIRC1)	N/A	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 6q21, 6q23 (SEC63-MYB)	6q21	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 9p21, 9p11-q11 (CDKN2A-D9Z4)	9p21-9 centromere	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 12p11.1-q11, 13q14.3, 13q34 (D12Z3-D13S319-LAMP1)	12 centromere-13q14.3	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
MYELOMA FISH PANEL	N/A	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
					range See report or contact lab at 614-				
CG 1p32.3, 1q21 (CDKN2C-CKS1B)	1p36.3-1q21	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 3q27 (BCL6)	3q27	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 5q33-34,5p15.2 (CSF1R-D5S23:D5S721)	5q33-5p15.2, 5q-	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 8q24.2 (MYC)	8q24.21	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 11q22.3, 17p13.1 (ATM-TP53)	11q22.3-17p13.1	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range  See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 12p13.2-21q22 (ETV6-RUNX1)	12p13-21q22, t(12;21), TEL- AML1	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 13q14.2, 13q34 (RB1-LAMP1)	13q14.2	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 14q32.3-11q13.3 (IGH-CCND1)	14q32.3-11q13, t(11;14), Mantle cell lymphoma FISH	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 8p11.1-q11.1,8q24 (D8Z2-MYC)	8q24	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 2p24,2p11-2q11 NMYC - D2Z1	2p24.1	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
CG 11p15.4 (NUP98)	11p15.4	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference range	N/A	N/A	N/A	N/A
Xp22.33-Yp11.32 (P2RY8)	P2RY8	Fluorescent in situ Hybridization	N/A	N/A	See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 1q23-19p13.3 (PBX1-TCF3)	1q23-19p13.3, t(1;19)	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 5q32 (PDGFRB)	5q32	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 15q24-17q21 (PML-RARA)	15q24-17q21, t(15;17)	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 17q21 (RARA)	17q21	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 21q22 (RUNX1)	21q22.12	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 8q21.3-21q22 (RUNX1T1-RUNX1)	21q22-8q22, t(8;21), ETO-	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 4q12 (PDGFRA)	AML1 4q12	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 19p13.3 (TCF3)	19p13	Fluorescent in situ Hybridization	N/A	N/A	range See report or contact lab at 614- 293-9898 for current reference	N/A	N/A	N/A	N/A
CG 14q32.13-q32.2 (TCL1)					range See report or contact lab at 614-				
CG 14q32.13-q32.2 (TCL1)  CG 7q34 (TRB)	14q32	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range  See report or contact lab at 614-	N/A	N/A	N/A	N/A
	7q34	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG Xp11.1-q11.1, Yq12 (DXZ1-DYZ1)  CG 7p11.1-q11.1, 7q22, 7q36 (D7Z1-CUX1-	XY	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CUL1)	7q	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range See report or contact lab at 614-	N/A	N/A	N/A	N/A
CG 2p23.2-p32.1 (ALK)	2p23	Fluorescent in situ Hybridization	N/A	N/A	293-9898 for current reference range	N/A	N/A	N/A	N/A

CG   Pagl. 24   Gal.	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG 13q124GBJ1   CG 13q23-6q123   CG 13	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
CG 16q22 (CBFB)   16q22 mt(16)   Placescent in shir Hybridization   N/A   N/A   220-9998 for current orderines   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
CG 16q22_cm16p3   16q22_mx(16)   Florescent in the 18fverdantion   N/A   N/A   250-0908 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
CG 16g23-16g13.1   (16p13   Fluorescent in situ Hybridization   N/A   N/A   Secrept or contact his of 64- N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
CG 4p11-q11.1 (p121-D1021)   4 centromere   Fluorescent in situ Hybridization   N/A   N/A   223-398 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG Sq22.33-Vp11.32 (CRLF2)   Xp22.33-Vp11.32   Fluorescent in situ Hybridization   N/A   N/A   293-9898 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG 6p22-9q34 (OEK-N/P210)	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG 5q31,5p15.2 (GGR1-DS522)   Sq31-Sp15.2, Sq-   Elucrescent in situ Hybridization   N/A   N/A   233-8898 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG 12p132 (ETV6)   12p13   Fluorescent in situ Hybridization   N/A   N/A   233-9898 for current reference   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A
CG 22q12 (EWSR1)   22q12, Ewings   Fluorescent in situ Hybridization   N/A   N/A   233-898 for current reference range   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A
CG 8p11.2, 8p11.1-q11.1 (FGFR1-D8Z2)   Sp11.23 Sp11.1-q11.1   Fluorescent in situ Hybridization   N/A   N/A   233-898 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A N/A N/A N/A N/A N/A N/A
CG 14q32_3(IGH)   13q14_FKHR   Elucrescent in situ Hybridization   N/A   N/A   23,36876 for current reference   N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A N/A N/A N/A N/A N/A
CG 14q32.3-(1GH)	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A
CG 14q32.3-6q21   14q32.3-18q21.3   Fluorescent in situ Hybridization   N/A   N/A   293-898 for current reference   N/A   N/A   N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
CG 14q32.3-18q21.3	N/A N/A N/A	N/A N/A N/A
CG 14q32.3-4p16,   (4;14)   Fluorescent in situ Hybridization   N/A   N/A   293-9989 for current reference   N/A   N/A	N/A N/A	N/A N/A N/A
CG 14q32.3-16q23	N/A	N/A
CG 14q32.3-20q12 (1GH-MAFB)		
(161-18-18-18)  CG 14q32_3-8q24.8p11.1-q11.1 (IGH-MYC/D872)  Hq32_3-8q24.8c centromere, 18;14), Burkint lymphoma FISH  Elorescent in situ Hybridization  N/A  N/A  N/A  See report or contact lab at 614- 293-9898 for current reference N/A  N/A  See report or contact lab at 614-		
NSY UNIZ.) Rx (4), Birrard symptoma r lists  range See report or contact lish at 614-		
	N/A	N/A
range	N/A	N/A
range	N/A	N/A
CG 3q26.2 (MECOM)   3q26.2   Flaorescent in situ Hybridization   N/A   N/A   293-9898 for current reference   N/A   N/A	N/A	N/A
Culture; Susceptibility testing  Culture; Susceptibility testing  Bacter/Bruker Daltonics  Collect time is required for each  continuous Manual Control back and Control on the Control of Collection	N/A	N/A
Acid Fast Bacilli Smear AFB Smear Smear N/A N/A Specimen submedies. North Specimen submedies. No	N/A	N/A
Acid Fast Bacilli Susceptibility Testing         N/A         MolT Method         Bactoc         N/A         N/A         N/A         N/A	N/A	N/A
Acinetobacter Culture         N/A         Surveillance Culture         Vide         N/A         Negative         N/A         N/A           Actinances, Screen         N/A         Gram stain         N/A         N/A         N/A         N/A         N/A           Affirm Test         Candida - negative         Candida - negative         N/A	N/A N/A	N/A N/A
(Vaginitis DNA Probe) Affirm Nucleic Acid Hybridization BD Microprobe Processor N/A Garcherella = negative N/A	N/A N/A	Negative / Positive N/A
Anaerobic Culture  Anaerobic Cul	N/A	N/A
Atypical Bacterial Pneumonia, PCR Atypical Bacterial Pneumonia, PCR Panel  Atypical Bacterial Pneumonia PCR Panel  Atypical Ba	ert N/A	Not Dected / Detected
Autoclave Spore Check Autoclave Spore Check Steam sterilization N/A N/A Negative N/A N/A N/A	N/A	Negative / Positive
Bacterial Culture and Direct Smear, Lesion, Tissue, Device  Routine Culture and Smear  Smear  Sulture, Susceptibility  BD MAX  N/A  No growth  See cricical call list for organisms requiring notification.  Validation	N/A	N/A
Beta Strep, Vaginal Sereen  Group B Streptococcus Tesing > 18 hours followed by real-time by PCR client for Group B Streptococcus Tesing of GB DNA BD MAX N/A Negative N/A Validation N/A Negative N/A Validation N/A Negative N/A Negative N/A Validation N/A Negative N/A Validation N/A Negative N/A Negative N/A Validation N/A Negative N/A N/A Negative N/A	N/A	Negative / Positive
Beta Strep. Vaginal Screen, Reflex Susceptibility for Penicilia Allergy  GBS, Streptococcus agalactics  PCR testing for GBS DNA  Negative  N/A  Validation  N/A  Validation	N/A	Negative / Positive
BK Virus DNA PCR, Quant, Urine         N/A         Real-Time PCR         3M Integrated Cycler         copies/ml.         <500         N/A         Validation           BK Virus DNA On, PCR, Plasma         BKBP         Real-Time PCR         3M Integrated Cycler         copies/ml.         <500		0 500-endpoint 500-5 000 000
BKR C Diffielle NAP 1 NAP1 PCR GeneXpert N/A Negative N/A Package Insert, Ref. Meters.	eference N/A	Negative / Positive
Blood Culture, AFB, Mycobacteria  Blood, acid fast  Culture, Sacceptability testing performed based on established ab guidelence  Broker Daltonics MicroFlex  N/A  Collect time is required for each specimen submission.	N/A	N/A
Blood Culture, Fungus  N/A  Ender Daltonies MicroFlex  Braker Daltonies MicroFlex  N/A  Braker Daltonies MicroFlex  N/A  Collect time is required for each specimen submission	N/A	N/A
Blood Culture, Pediatric N/A Erformed based on established bit suitables and bit suitables between the performed based on established bit suitables and bit	N/A	N/A
Blood Culture  N/A  Culture, Susceptibility testing performed based on established his guidelines  Bruker Daltonics MicroFlex, Bactee FX, Vitek  Bruker Daltonics MicroFlex, But N/A  Bruker Daltonics MicroFlex, But N/A  No growth  N	N/A	N/A
Blood Product Protocol N/A Culture Bactee NA Negative Growth N/A  Blood, Transfusion Reaction Blood Product Culture Culture Bactee NA Negative Growth N/A	N/A N/A	N/A N/A
PRODUCT CHARGE PRODUCT CHARGE PRODUCT CHARGE PRODUCT CHARGE INSECT. IN PROCESSOR PORT OF THE PROCESSOR PRODUCT CHARGE INSECT. IN PROCESSOR PROCESSOR PRODUCT CHARGE INSECT. IN PROCESSOR P	i-house N/A	Negative / Positive
Body Fluid Culture and Direct Smear  Sterile fluid culture  Sterile fluid culture  Culture; Susceptibility testing performed based on established alto guidelines MicroFlex  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	N/A	N/A
C difficile by PCR (Clostridium difficile total)         N/A         PCR         BD MAX         N/A         Negative         N/A         N/A           C Difficile Screen         Clostridium difficile         PCR         BD MAX         N/A         Negative         N/A         Package Inse	N/A ert N/A	Negative / Positive Negative / Positive
CAPD Fluid Bacterial Culture  N/A  Culture; Susceptibility testing performed based on established by guidelines best on the big guidelines with the performed based on the big guidelines and big guideline	N/A	N/A

		1			Negative. Vascular Catheter tip		1		
Catheter Tip Culture	N/A	Culture	Vitek/Bruker Daltonics MicroFlex	N/A	cultures are interpreted in conjunction with blood culture results.	Growth	N/A	N/A	N/A
Chlamydia and Gonorrhea Amplified Probe	Chlamydia trachomatis & Neisseria gonorrhoeae NAAT Testing	Real-Time PCR	Abbott	N/A	Not Detected	N/A	Validation	N/A	Not Detected, Detected, Indeterminate
CMV by PCR, Quantitative, Blood EBV by PCR, Quantitative, Blood	CMV Viral Load, CMV PCR EBV Viral Load, EBV PCR	Real-Time PCR Real-Time PCR	Abbott 3M Integrated Cycler	IU/mL IU/mL	<50 <1,000	N/A ≥10,000	Literature / History Validation	50-156,000,000 1,000-5,000,000	50-156,000,000 1,000-5,000,000
EBV Rapid PCR, CSF Only	EBV PCR, EBV CSF	Real-Time PCR	3M Integrated Cycler	IU/mL	Not Detected	≥10,000	Validation	1-10,000	Not Detected, Detected <10,000, Detected >10,000
Fungal Susceptibility Testing	N/A	TREK panel Culture; Susceptibility testing	N/A	N/A	N/A Collect time is required for each	N/A	N/A	N/A	N/A
Fungus Culture	N/A	performed based on established lab guidelines	N/A	N/A	specimen submission. No growth.	Growth	N/A	N/A	N/A
Fungus Culture	N/A	Culture	N/A	N/A	Collect time is required for each	N/A	N/A	N/A	N/A
(Skin, Hair, Nails) Fungus Smear	Calcofluor White fluorescent	Smear	N/A	N/A	specimen submission. Negative	Positive for fungal elements	N/A	N/A	N/A
Genital Culture, Bacterial	stain Vaginal, Cervical, Urethral	Smear when indicated; Culture; Susceptibility testing performed based on established lab	Vitek/Bruker Daltonics MicroFlex	N/A	Normal flora or no growth, depending on site	See critical call list for organisms that require a call.	N/A	N/A	N/A
Gram Stain	N/A	guidelines Smear	N/A	N/A	Negative	See Critical Call procedure for list of sources that are called to	N/A	N/A	N/A
H. Pylori Urea Breath Test	UBT for H. pylori, BreathTek	Infrared Spectrophotometry	Otsuka UBiT POCone	N/A	Cut-off value is 2.4 for adults	physician/nurse	Package Insert	N/A	Negative / Positive
II. I yion crea breath rest	OBT for II. pylon, Breatiffek	ппатей эреспорновнику	OISULA OBIT FOCOME		and 10.0 for children 3-17 years <10 IU/mL	N/A	rackage insert	10-1.000.000.000 IU/mL	10-1,000,000,000 IU/mL
Hepatitis B DNA	HBV Viral Load	Real-Time PCR	Abbott	IU/mL and log units	(<1.00 log unit)	N/A	Validation / Package Insert	(1.00-9.00 log units)	(1.00-9.00 log units)
Hepatitis C by PCR, Quant	HCV Viral Load	Real-Time PCR	Abbott	IU/mL and log units	<12 IU/mL (1.08 log units)	N/A	Validation / Package Insert	12-100,000,000 IU/mL (1.08-8.00 log units)	12-100,000,000 IU/mL (1.08-8.00 log units)
HIV Viral Load RNA PCR Quant	HIV Viral Load	Real-Time PCR	Abbott	copies/mL and log units	<40 copies/mL (<1.60 log units)	N/A	Validation / Package Insert	40-10,000,000 copies/mL (1.60-7.00 log units)	40-10,000,000 copies/mL (1.60-7.00 log units)
HSV by PCR, Fluid/Lesion	Herpes Simplex Virus 1 and 2 Testing by PCR	Real-Time PCR	DiaSorin	N/A	Not Detected	Positive in CSF	Package Insert / Literature	N/A	Detected / Not Detected
Immunocompromised Respiratory Panel	BioFire RP2	Film Array PCR	BioFire	N/A	Not Detected	N/A	Package Insert / Literature	N/A	Detected / Not Detected  Influenza A Only: Detected, Indeterminate, Not Detected
Influenza A/B Rapid Molecular	Rapid Flu	Isothermal Nucleic Acid Amplification	Abbott	N/A	Not Detected	N/A	Alere-I Influenza A+B package insert	N/A	Detected / Not Detected / Indeterminate
Influenza A/B, RSV by PCR	Flu PCR, RSV PCR Fecal Leukocytes, Stool for	PCR	3M Integrated Cycler Alere	N/A	Not Detected	N/A	Validation	N/A	Detected/ Not Detected
Lactoferrin, Qualitative, Stool	WBCs	Immunochromatographic	LEUKO EZ VUE	N/A	Negative	N/A	Package Insert	N/A	Negative / Positive
Legionella Culture	N/A	Culture	Bruker Daltonics MicroFlex	NA	Collect time is required for each specimen submission.	N/A	N/A	N/A	N/A
Legionella Environ	Environmental Culture for Legionella	Culture	Bruker Daltonics MicroFlex	N/A	Collect time is required for each specimen submission.	N/A	N/A	N/A	N/A
Lower Respiratory Culture, Bacterial	RES	Culture; Susceptibility testing performed based on established lab guidelines	Bruker Daltonics MicroFlex	N/A	normal flora	N/A	N/A	N/A	N/A
	TB PCR, MTB, M. tuberculosis	Real-Time PCR	GeneXpert	N/A	Not Detected	Detected	Package Insert / Reference Materials	N/A	Not Detected / Detected
Macroscopic, Parasite  Macroscopic: Arthropod	Worm	Macroscopic Exam Macroscopic Exam	N/A N/A	N/A N/A	Negative Negative, Artifact (not	N/A N/A	N/A N/A	N/A N/A	N/A N/A
	BioFire Meningitis / Encephalitis	Film Array PCR	BioFire	N/A	arthropod) Not Detected	Detected	Package Insert	N/A	Detected / Not Detected
Meningitis / Encephalitis Panel, CSF  MRSA Screening Culture Panel, Nares,	Panel								
Axilla, Groin/Wound Molecular Enteric Panel, Stool	MRSA Screen Gastrointestinal Panel	Culture  Molecular - real time PCR	N/A BD MAX	N/A N/A	Negative for MRSA Negative	N/A N/A	N/A N/A	N/A N/A	N/A Negative / Positive
Molecular Stool Parasite Panel	O&P	Real-Time PCR	BD MAX	N/A	Negative	N/A	Package insert; Microbiology	N/A	Negative / Positive
Neisseria-gonococcus Screen	GC Screen	Culture on selective agar for N. gonorrhoea and N. meningitidis	N/A	N/A	Negative	N/A	Reference material	N/A	N/A
Outside Fungal ID	Dermatophyte Identification Mold Identification Yeast Identification	Culture	N/A Bruker Daltonics MicroFlex	N/A	N/A	N/A	N/A	N/A	N/A
Outside Mycobacterial ID	Mycobacterium Identification	Culture	Bruker Daltonics MicroFlex	NA	NA	NA	N/A	N/A	N/A
Pinworm Exam	N/A Aeromonas / Plesiomonas	Microscopic exam	N/A Vitek/Bruker Daltonics	N/A	Negative	N/A	N/A	N/A	N/A
Plesiomonas/Aeromonas Screen, Stool POCT Chlamydia trachomatis and Neisseria	Screen	Culture	MicroFlex	N/A	Negative	N/A	N/A	N/A	N/A Detected /
gonorrhoeae (CTNG)	binx io GC and Chlamydia	PCR	Binx io	N/A	Not Detected	N/A	Package Insert	N/A	Not Detected
Quantitative Tissue Culture	N/A	Tissue is weighed, serially diluted, and cultured for exact colony count.	Vitek/Bruker Daltonics MicroFlex	colony forming units/gram	No growth	N/A	N/A	N/A	N/A
Rapid HIV-I/HIV-2 Ab With P24 Antigen	Rapid HIV, Alere Determination HIV 1/2 Ag/Ab Combo	Qualitative Immunoassay / Immunochromatographic test for simultaneous and qualitative detection of free HIV-1 p24 antigen and antibodies to HIV-1 and HIV-2	Alere Determine	N/A	All: nonreactive	N/A	Package Insert	N/A	Reactive / Nonreactive / Presumptive Reactive
Rapid Maleria	Plasmodium	Immunochromatographic membrane assay that uses monoclonal antibodies to qualitatively detect Plasmodium fakiparum antigen and pan- maharial antigen (an antigen shared by Plasmodium species causing human malaria)	Binax NOW	N/A	No parasitic organisms seen, including plasmodium organism	N/A	Package Insert	Limit of detection 100 parasites per microliter	No parasitic organisms seen, including plasmodium organism  / Positive for Plasmodium specie
Rapid Strep A, Molecular	Rapid Strep, Strep A	Molecular in vitro diagnostic test utilizing isothermal nucleic acid amplification	Abbott	N/A	Negative	N/A	N/A	N/A	Negative / Positive
Rectal Screening for Cipro Resistance	Ciprofloxacin Resistance Screening	Culture Isothermal Nucleic Acid	N/A	N/A	N/A	N/A	N/A Abbott ID NOW Rapid Covid	N/A	N/A Detected /
SARS-COV-2 RAPID	Rapid COVID	Amplification	Abbott	N/A	Not Detected	N/A	package insert	N/A	Not Detected
Novel Coronavirus PCR	COVID-19	Real Time PCR	BRT: King Feber & ABI 7500 Fast DX Micro: EasyMag ABI 7500 Fast Fast DX BRT & Micro: DisSorian Amplitude Solution (King Feber Pesto & QuantStudio) Alany m	N/A	Not Detected	N/A	N/A	N/A	Detected / Not Detected
Novel Coronavirus PCR		Real Time PCR  Transcription Mediated Amplification	King Fisher & & ABI 7500 Fast DX  Micro: EasyMag & ABI 7500 Fast / Fast DX  BRT & Micro: DisSorin  Amplitude Solution (King Fisher Presto & Quantifutido)	N/A		N/A	N/A	N/A	Detected / Not Detected
Novel Coronavirus PCR Screen VRE	COVID-19  Vancomycin Resistant Enterococcus Screen	Transcription Mediated	King Fisher  & ABI 7500 Fest DX  Micro: EasyMag & ABI 7500 Fest / Fest DX  BRT & Micro: DisSorin Amplitude Solution (King Fisher Presto & Quantifolic) Alinity in	N/A N/A	Not Detected  Negative for Vancomycin Resistant Entrococcus.	N/A	N/A	N/A	Detected / Nor Detected  N/A
Screen VRE Screen, Venst	Vancomycin Resistant Enterococcus Serven N/A	Transcription Mediated Amplification Culture on selective agar. Culture	King Fisher &  & ABI 7500 Fast DX  Micro: EasyMag &  ABI 7500 Fast / Fast DX  BRT & Micro: DaisSorin  DaisSorin  Amplitude Solution (King Fisher Presto &  Quantification)  Alinity in  Partther  Parther Dailmoins MicroFlex	N/A N/A	Negative for Vancomycin Resistant Enterococcus. Negative	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Screen VRE	Vancomycin Resistant Entercoccus Screen N/A NICU MRSA Respiratory Staphylococcus	Transcription Mediated Amphification Culture on selective agar.	King Fisher & ABI 7500 Fast DX Micro: EasyMag & ABI 7500 Fast / Fast DX BRT & Micro: Dass/Mag & ABI 7500 Fast / Fast DX BRT & Micro: Dassorin Amplitude Solution (King Fisher Presto & Quant/Studie) Alainsy m Parnther N/A	N/A	Negative for Vancomycin Resistant Entercoccus.	N/A	N/A	N/A	N/A
Screen VRE Screen, Yenst Screen, Mich Baby	Vancomycin Resistant Enterococcus Serven N/A NICU MRSA	Transcription Mediated Amplification Culture on selective agar. Culture Culture	King Fisher & ABI 7500 Fast DX Micro: EasyMag ABI 7500 Fast / Fast DX BRT & Micro: DisSorin Amplitude Solution (King Fisher Pesto & QuantStudie) Alinky m Panther N/A Bruker Dalmoiss MeroFlex BD MAX Vitiel/Bruker Dalmois	N/A N/A N/A	Negative for Vancomyvin Resistant Enterococcus. Negative Negative	N/A N/A N/A N/A LOOP Specimens will be called	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
Screen VRE  Screen, Yeast Screen: MIESA - Baby Screen: MIESA MISSA Sterility Check	Vancomycin Resistant Enterococcus Sereen Interococcus Sereen NICU MISA Respiratory Staphydococcus Sereen, Staph Sereen N/A	Transcription Mediated Anaphification Culture on selective agar. Culture Culture Real-Tame PCR Culture Immunochromatographic	King Fisher & ABI 7500 Fast DX Micro: EasyMag &  ABI 7500 Fast / Fast DX BRT & Micro: DaSorin Amplitude Solution (King Fisher Fresto &  QuantStudis) Alainty m Parther N/A Bruker Daltonies MicroFlex N/A BD MAX Vite/Bruker Daltonies MeroFlex MeroFl	N/A N/A N/A N/A N/A	Negative for Vancomycin Resistant Entrococcus. Negative Negative Negative	N/A N/A N/A N/A N/A LOOP Specimens will be called to the coordinator	N/A N/A N/A N/A Package Insert N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
Screen VRE Screen, Yeast Screen: MRSA - Baby Screen: MRSA - MSA Sterility Check Strep Pneumoniae Antigen, Urine	Vancomycin Resistant Enterococcus Screen N/A NICU MRSA Respiratory Staphylococcus Screen, Staph Screen N/A	Transcription Mediated Amplification Culture on selective agar. Culture Real-Time PCR Culture Immunochromatographic membrane assay.	King Fisher  & ABI 7500 Fast DX  Micro: EasyMag  ABI 7500 Fast / Fast DX  BRT & Micro: DisSorin  Amplitude Solution (King Fisher Pesto & QuantStudio)  Alainy m  Pauther  N/A  Bruker Daltonics MicroFlex  Vitel-Bruker Polatonics  MicroFlex  Binax NOW  Vitel-Bruker Daltonics  Vitel-Bruker Daltonics  Vitel-Bruker Daltonics  Vitel-Bruker Daltonics  Vitel-Bruker Daltonics  MicroFlex  Vitel-Bruker Daltonics	N/A N/A N/A N/A N/A N/A	Negative for Vancomycin Resistant Enterococcus. Negative Negative Negative Negative	N/A N/A N/A N/A N/A N/A LOOP Specimens will be called to the coordinator N/A	N/A N/A N/A N/A Package Insert N/A Binax NOW Package Insert	N/A N/A N/A N/A N/A N/A	N/A
Screen VRE  Screen, Yeast Screen: MRSA - Baby Screen: MRSA/MSSA Sterility Check	Vancomycin Resistant Enterococcus Sereen Interococcus Sereen NICU MISA Respiratory Staphydococcus Sereen, Staph Sereen N/A	Transcription Mediated Anaphification Culture on selective agar. Culture Culture Real-Tame PCR Culture Immunochromatographic	King Fisher  & ABI 7500 Fast DX  Micro: EasyMag & ABI 7500 Fast / Fast DX  BRT & Micro: Dash / Fast DX  BRT & Micro: Amplitude Solution (King Fisher Fresto & Quantifolia) Admity an Parther  N/A  Bruker Daltonies MicroFlex MicroFlex MicroFlex Binax NOW	N/A N/A N/A N/A N/A	Negative for Vancomycin Resistant Entrococcus. Negative Negative Negative	N/A N/A N/A N/A N/A LOOP Specimens will be called to the coordinator	N/A N/A N/A N/A Package Insert N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A

Vaginitis DNA Probes	DNA Probe, Vaginal	DNA Probe	BD Microprobe Processor	N/A	Negative	N/A	N/A	N/A	Negative / Positive / Invalid
Varicella Zoster By PCR, Skin	VZVPCR	Real Time PCR Extended culture with cold	DiaSorin	N/A	Not Detected	N/A	Package Insert / Literature	N/A	Detected / Not Detected
Yersinia Screen	N/A	enrichment	N/A Manual: N/A	N/A	Negative	N/A	N/A	N/A	N/A
ABO / RH(D) Typing	Blood Type, ABORH	Agglutination	Automated: Ortho	N/A	A, B, O, or AB and Rh positive or Rh Negative	N/A	N/A	N/A	N/A
ABORH Type Reconfirmation	Confirmatory Type	Agglutination	Manual: N/A Automated: Ortho	N/A	A, B, O, or AB and Rh positive or Rh negative	N/A	N/A	N/A	N/A
Antibody ID	N/A	Agglutination	N/A Manual: N/A	N/A	N/A	N/A	N/A	N/A	N/A
Antibody Screen	Indirect Antiglobulin Test, ABS	Agglutination	Automated: Ortho	N/A	Negative / Positive	N/A All antigens but K have a critical	N/A	N/A	N/A
Antibody Titer [LAB275]	ABTIT	Agglutination	N/A	N/A	Reciprocal of serial dilution	value of 32, K has a critical value of 8	Alloimmunization Committee	N/A	N/A
Antigen Typing, Red Cell Autoadsorption, RBC	N/A N/A	Agglutination N/A	N/A N/A	N/A N/A	Negative / Positive N/A	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Baby Type and DAT (Direct Antiglobulin Test)	HEELS, Heelstick Evaluation	Agglutination	N/A	N/A	For type- A, B, O, or AB and Rh positive or Rh Negative, Antibody Screen Positive or Negative, DAT Positive or	Positive DAT	N/A	N/A	N/A
Cold Agglutinin Titer	N/A	Agglutination	N/A	N/A	Negative Reciprocal of serial dilution	N/A	N/A	N/A	N/A
Cord Blood Evaluation	N/A	Agglutination	N/A	N/A	For type- A, B, O, or AB and Rh positive or Rh Negative,	Positive DAT	N/A	N/A	N/A
Cord Blood Evaluation	N/A	Aggiuliation	IVA	N/A	DAT Positive or Negative	rosawe DA1	IVA	NA	IVA
Crossmatch	N/A	Agglutination	N/A	N/A	Compatible, Incompatible, Least incompatible	N/A	N/A	N/A	N/A
Direct Antiglobulin Test (DAT)	DAT, Direct Antiglobulin	Agglutination	N/A Manual: N/A	N/A	Negative / Positive A, B, O, or AB and Rh positive	N/A	N/A	N/A	N/A
Donor unit retype	Reconfirmation of donor units	Agglutination	Automated: Ortho	N/A	or Rh Negative	N/A New antibody identified in	N/A	N/A	N/A
Eluate	Elution, RBC	Agglutination	N/A	N/A	N/A	Eluate	N/A	N/A	N/A
Fetal Screen Workup	N/A	Agglutination	Immucor	N/A	Negative / Positive Number of fetal cells per 2000	N/A	N/A	N/A	N/A
Kleihauer-Betke Stain	KB	Agglutination	N/A	N/A	adult cells, percent fetal bleed in mL's and number of vials of Rholg if applicable	Positive	N/A	N/A	N/A
RHOIG Evaluation Transfusion Reaction Battery	Rhogam Evaluation N/A	Agglutination Agglutination	N/A N/A	N/A N/A	N/A N/A	N/A All transfusion reactions	N/A N/A	N/A N/A	N/A N/A
Transfusion Reaction Battery	N/A	Agglutmation		N/A	For type- A, B, O, or AB and	All transfusion reactions	N/A	N/A	N/A
Type and Screen	N/A	Agglutination	Manual: N/A Automated: Ortho	N/A	Rh positive or Rh Negative, Antibody Screen Positive or Negative For type- A, B, O, or AB and	N/A	N/A	N/A	N/A
Type and Screen-Not for Transfusion	N/A	Agglutination	Manual: N/A Automated: Ortho	N/A	Rh positive or Rh Negative, Antibody Screen Positive or Negative	N/A	N/A	N/A	N/A
Type and Screen - Preadmission	N/A	Agglutination	Manual: N/A Automated: Ortho	N/A	For type- A, B, O, or AB and Rh positive or Rh Negative, Antibody Screen Positive or Negative	N/A	N/A	N/A	N/A
ACTH	Adrenocortico-trophic Hormone	Chemiluminescent	Immulite XPi	pg/mL	9.0-50.0	N/A	Textbooks, package insert	5.0-1,250.0	5.0-1,250.0
A1C - DCA	HAICI	Latex immunoagglutination inhibition	DCA Vantage	%	4.7-5.6	N/A	Textbook	2.5-14.0	2.5-14.0
AFP Tumor Marker	AFPTMR	Two-site sequential chemiluminescent	Immulite XPi	ng/mL	<8.5	N/A	Package insert, textbook, operators manual	0.2-363.0	0.2 - dilute to endpoint
Aldosterone	ALDOS	immunometric assay  Chemiluminescent Immunoassay	Diasorin Liason XL SF 2	ng/dL	Upright (serum)  <39.20 Supine (serum) <23.20 Upright (EDTA) <35.30 Supine (EDTA)	N/A	Package insert	4.00-100.00	4.00-5,000.00
					Supine (EDTA) <23.60				
ANA Multiplex Screen ANA Multiplex Scrn With Reflex	N/A N/A	Multiplex flow immunoassay Multiplex flow immunoassay	Bioplex 2200 Bioplex 2200	N/A N/A	Negative is Normal Negative is Normal	N/A N/A	Package insert, textbook Package insert, textbook	N/A N/A	Negative / Positive Negative / Positive
ANA Screen IFA	ANAB	Indirect Immunofluorescence Antibody	Euroimmun	N/A	Negative is Normal	N/A	Textbooks	N/A	Negative / Positive
ANA Titer*	N/A	Indirect Immunofluorescence Antibody	Euroimmun	N/A	Negative is Normal	N/A	Textbooks	N/A	1:40 - ≥1280
Anti Microsomal Antibody	MIAN	Chemiluminescent Immunoassay	Immulite XPi	IU/mL	<35.0	N/A	Package Insert	10.0-1,000.0	10.0-Dilute to Endpoint
Anti Mitochondrial Antibody	AMA	Indirect Fluorescent Antibody	Bio-Rad Kallestad	N/A	Negative is Normal	N/A	Textbook	N/A	Qualitative: Negative / Positive Quantitative:
Anti Neutrophil Cytoplasmic Antibody	ANCA	Indirect Fluorescent Antibody	Euroimmun	N/A	Negative is Normal	N/A	Package insert, textbook	N/A	1:20 - ≥320  Qualitative:  Negative / Positive  Quantitative:
Anti Parietal Antibody	Parietal Cell Antibody	Indirect Fluorescent Antibody	Bio-Rad Kallestad	N/A	Negative is Normal	N/A	Textbook	N/A	1:10 - ≥160  Qualitative:  Negative / Positive  Quantitative:
Anti Smooth Muscle Antibody	SMA	Indirect Fluorescent Antibody	Bio-Rad Kallestad	N/A	Negative is Normal	N/A	Textbook	N/A	1:20 - ≥320 Qualitative: Negative / Positive
									<u>Quantitative:</u> 1:20 - ≥320
Anti-Proteinase 3 Ab	Anti-PR3	Multiplex ImmunoFlow Assay	Bioplex 2200	N/A	Negative is Normal	N/A	Instructions for use manual	Negative / Positive	N/A
Anti-Scleroderma Ab (Scl70) Auto Immune Abs, Multiplex	SCL70T BPRAB	Multiplex flow immunoassay Multiplex flow immunoassay	Bioplex 2200 Bioplex 2200	N/A N/A	Negative is Normal Negative is Normal	N/A N/A	Package insert, textbook Package insert, textbook	Negative / Positive Negative / Positive	N/A N/A
Beta 2 Microglobulin Serum	B2M	Two-site chemiluminescent immunometric assay	Immulite XPi	mg/L	0.60-2.11	N/A	Package insert, Operators manual, Textbook	0.00-0.50	0.00-50.00
BKR Free Testosterone	N/A	Calculation	Centaur CXP1	TESTF = ng/dL TESTP = %	Male TESTF = 1.74-15.20 Female TESTF = 0.04-0.81 Male TESTP = 0.90-2.80 Female TESTP = 0.40-3.00	N/A	Customer Bulletin	N/A	N/A
CA 15-3N	CA153N	Two-site chemiluminescent immunometric assay	Immulite XPi	U/mL	Female: 0.0-38.0 Male: 0.0-38.0	N/A	Package insert, Operators manual, Textbook	1.0-300.0	1.0-30,000.0
Calcitonin	CALCIT	Two-site Chemiluminescent	Immulite XPi	pg/mL	(use not defined) Male: <8.4	N/A	Kit Range	2.0-2,000.0	2.0-2,000,000.0
Centromere B Antibody	CENTT	Immunometric Assay Multiplex flow immunoassay	Bioplex 2200	N/A	Female: <5.0 Negative is Normal	N/A	Package insert, textbook	N/A	Negative / Positive
Chromatin Antibody CMV IgG Ab	N/A CMVG	Multiplex flow immunoassay Two-step immunoassay	Bioplex 2200 Immulite XPi	N/A N/A	Negative is Normal Negative is Normal	N/A N/A	Package insert, textbook Textbooks, Package insert.	N/A N/A	Negative / Positive Negative / Positive
		Solid phase enzyme-labeled		N/A	Negative is Normal	N/A	Package insert	N/A	Negative / Positive
CMV IgM Ab	CMVM	chemiluminescent immunometric assay	Immulite XPi	N/A					
CMV IgM Ab C-Peptide	CPEP	chemiluminescent immunometric assay Chemiluminescent	Immulite XPi	ng/mL	0.2-2.7 Negative is Normal	N/A	OSU validated Range	0.1-20.0 N/A	0.1-20,000.0 Negative / Positive
CMV IgM Ab		chemiluminescent immunometric assay			Negative is Normal Negative is Normal		OSU validated Range Package Insert Package Insert	0.1-20.0 N/A N/A	0.1-20,000.0 Negative / Positive Negative / Positive
CMV IgM Ab  C-Peptide  Cryptococcal Antigen	CPEP CRAG	chemiluminescent immunometric assay Chemiluminescent Lateral Flow Assay	Immulite XPi Immuno-Mycologies Inc.	ng/mL N/A	Negative is Normal Negative is Normal Female: 35-430 Male: 80-560	N/A N/A	Package Insert	N/A	Negative / Positive
CMV IgM Ab  C-Peptide  Cryptococcal Antigen Cryptococcus Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant	CPEP CRAG FCRAG DHES	chemiluminescent immunometric assay Chemiluminescent Lateral Flow Assay Lateral Flow Assay Chemiluminescent Immunoassay Multiplex flow immunoassay	Immulite XPi Immuno-Mycologies Inc. Immuno-Mycologies Inc. Immulite XPi Bioplex 2200	ng/mL N/A N/A Ug/dL IU/mL	Negative is Normal Negative is Normal Female: 35-430 Male: 80-560 Negative: 54 Indeterminate: 5-9 Positive: ≥10	N/A N/A N/A N/A N/A	Package Insert Package Insert Package insert, textbook Package insert	N/A N/A 15-1,000	Negative / Positive Negative / Positive 15-1,000
CMV IgM Ab  C-Peptide Cryptococcal Antigen Cryptococcal Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant dsDNA Abtithody	CPEP CRAG FCRAG DHES	chemiluminescent immunometric assay Chemiluminescent Lateral Flow Assay Lateral Flow Assay Chemiluminescent Immunoassay Chemiluminescent Immunoassay Multiplex flow immunoassay Multiplex flow immunoassay	Immuno-Mycologiss Inc. Immuno-Mycologiss Inc. Immuno-Mycologiss Inc. Immulite XPi Bioplex 2200 Bioplex 2200	ng/mL N/A N/A N/A ug/dL IU/mL N/A	Negative is Normal Negative is Normal Female: 35-430 Male: 80-560 Negative: 54 Indeterminate: 5-9 Positive: 210 Negative is Normal	N/A N/A N/A N/A N/A N/A	Package Insert Package Insert Package insert, textbook Package insert Package insert	N/A N/A 15-1,000 1-300 N/A	Negative / Positive Negative / Positive 15-1,000 1-30,000 Negative / Positive
CMV IgM Ab  C-Peptide C-rystoreceal Antigen C-rystorecean Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant dsDNA Abtibody EBV VCA IgG Ab EBV VCA IgG Ab	CPEP CRAG PCRAG DHES N/A N/A EBVG EBVM	chemiluminescent immunometric assay Chemiluminescent Lateral Flow Assay Lateral Flow Assay Chemiluminescent Immunoassay Mukiplex flow immunoassay August flow immunoassay flow immunoassa	Immulite XPi Immuno-Mycologics Inc. Immuno-Mycologics Inc. Immulite XPi Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200	ngimL N/A N/A N/A ugidL IU/mL N/A N/A N/A N/A	Negative is Normal Negative is Normal Female: 35-430 Male: 80-560 Negative: 54 Indeterminate: 5-9 Positive: 210 Negative is Normal Negative is Normal Negative is Normal	N/A	Package Insert Package insert, textbook Package insert, textbook Package insert, textbook Package insert, textbook Package insert Package Insert	N/A N/A 15-1,000 1-300 N/A N/A N/A	Negative / Positive Negative / Positive 15-1,000  1-30,000  Negative / Positive Negative / Positive Negative / Positive
CMV IgM Ab  C-Peptide Cryptococcal Antigen Cryptococcal Antigen Cryptococcan Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant dsDNA Antibody EBV VCA IgG Ab ENV Rattery (SAS, SSB, Sm, RNP)	CPEP CRAG FCRAG DHES N/A N/A EBVG EBVM ENAB	chemiluminescent immunometrie assay Chemiluminescent Lateral Flow Assay Lateral Flow Assay Lateral Flow Assay Multiplex flow immunoassay	Immulie XPi Immuno-Mycologics Inc. Immuno-Mycologics Inc. Immuno-Mycologics Inc. Immulie XPi Bioplex 2200	ngimL N/A N/A N/A ugidL  IU/mL  N/A N/A N/A N/A N/A N/A N/A	Negative is Normal Negative is Normal Female: 35-430 Male: 80-560 Negative: 54 Indeterminate: 5-9 Positive: 210 Negative is Normal Negative is Normal Negative is Normal Negative is Normal	N/A	Package insert Package insert Package insert, textbook Package insert, textbook Package insert, textbook Package insert Package insert Package insert Package insert	N/A N/A 15-1,000 1-300 N/A N/A N/A	Negative / Positive Negative / Positive 15-1,000 1-30,000 Negative / Positive
CMV IgM Ab  C-Peptide Cryptoseccal Antigen Cryptoseccal Antigen, CSF DHEA-Sulfate  DS DNA Ab, Quant dsDNA Antinody ERV VCA IgG Ab ENV REBY VCA IgM Ab EN Battery	CPEP CRAG PCRAG DHES  NIA NIA EBVG ENVM ENAB NIA OGPP	chemiluminescent immunomeric assay Chemiluminescent Latera Flow Assay Latera Flow Assay Chemiluminescent Immunoassay Muliplex flow immunoassay Valiplex flows immunoassay Valip	Immulite XPi Immuno-Mycologics Inc. Immuno-Mycologics Inc. Immulite XPi Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200	ngimL N/A N/A N/A ugidL IU/mL N/A N/A N/A N/A	Negative is Normal Negative is Normal Negative is Normal Female: 35-430 Male: 80-560 Negative: 54 Indeterminate: 5-9 Positive: 210 Negative is Normal S5.0 Present is Normal	N/A	Package insert Package insert, textbook Package insert, textbook Package insert	N/A N/A 15-1,000 1-300 N/A N/A N/A N/A N/A N/A N/A N/A	Negative / Positive Negative / Positive 15-1,000  1-30,000  Negative / Positive Negative / Abent
CMV IgM Ab  C-Peptide Cryptoseccel Antigen Cryptoseccent Antigen, CSF DHEA-Sulfate  DS DNA Ab, Quant dsDNA Antibody EBV VCA IgG Ab EBV VCA IgG Ab EN Ab Battery (SSA, SSB, Sm, RVP) For Hemoglobic, Planua GGPD, Qualitative Gastrio - Drug Stimulated	CPEP CRAG FCRAG DHES N/A N/A EBVG EBVM ENAB N/A N/A	chemiluminescent immunomeric assay Chemiluminescent Latera Flow Assay Latera Flow Assay Latera Flow Assay Authority of the Market flow immunossay Mulaiples flow immunossay Flotometric Visual Floorescence Chemiluminescent	Immulie XPi Immuno-Mycologisc Inc. Immuno-Mycologisc Inc. Immulie XPi Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 HemoCue	neimL	Negative is Normal Fernale: 35-430 Male 80-560 Magative 54 Indearmaine 5-9 Positive: 210 Negative: is Normal Negative is Normal Negative is Normal Negative is Normal Negative is Normal Service is Normal Negative is Normal Service is Normal	N/A	Package Insert Package Insert Package insert, textbook Package insert, textbook Package insert Operating Manual Package Insert OSU validated range	N/A N/A 15-1,000 1-300 N/A N/A N/A N/A 30.0-2,100.0	Negative / Positive Negative / Positive 15-1,000 1-30,000 Negative / Positive
CMV IgM Ab  C-Peptide  Cryptococcul Antigen Cryptococcus Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant  dsDNA Ab, Quant  dsDNA Antibody  EBV VCA IgG Ab  ENA Battery  (SSA SSR, Sm, RNP)  Fret Hemoglobin, Flamma  GGPD, Qualitative	CPEP CRAG PCRAG DHES  N/A  N/A  N/A  EBVG EBVG EAVG GGPD GSTRDS	chemiluminescent immunometric assay Chemiluminescent Lateral Flow Assay Lateral Flow Assay Lateral Flow Assay Authority Chemiluminescent Immunoassay Mulaipek flow immunoassay Flostometric Visual Flooroscenec Chemiluminescent Chemilum	Immulie XPi Immuno-Mycologies Inc. Immuno-Mycologies Inc. Immuno-Mycologies Inc. Immulie XPi Bisplex 2200 Bisplex 2200 Bisplex 2200 Bisplex 2200 Bisplex 2200 HemcCue Trimir Bistech Immulie XPi		Negative is Normal Fernale: 35-430 Male 80-560 Negative: 46 Indecember 210 Negative: 47 Negative: 48 Normal Negative: 48 Normal Negative is Normal 15-50 Present is Normal 1-52 1-52 1-52 1-52 1-52 1-52 1-5-54 1-554 1-5-54 1-5-54 1-5-54 1-5-54 1-5-54 1-5-54 1-5-54 1-5-54 1-5-5	N/A	Package Insert Package Insert Package insert, textbook Package insert, textbook Package insert OSU vidalsted ramee OSU vidalsted ramee OSU vidalsted Ramge	N/A N/A 15-1,000 1-300 N/A N/A N/A N/A 30.0-2,100.0 N/A 10-1,000	Negative / Positive Negative / Positive 15-1,000  1-30,000  Negative / Positive Negative / Positive Negative / Positive Negative / Positive 30.0-Dilute to endpoint Present / Absent 10-1,00,000
CMV IgM Ab  C-Peptale Crystoscocal Antigen Crystoscocan Antigen, CSF  DHEA-Sulfate  DS DNA Ab, Quant  dsDNA Ab, Quant  dsDNA Abrilbody EBV VCA IgG Ab ENA Battery (SAS, SSB, Sm, RVP) Fres Hemigholia, Plasma GGPD, Omilitative Gartin - Drug Stimulated Gartin - Drug Stimulated Gartin - Drug Stimulated	CPEP CRAG PERAG DHES  N/A  N/A  EBVG EBVM ENAB  N/A  GGPD GSTRDS GSTR	chemiluminescent immunomerica assay Chemiluminescent Latera Flow Assay Latera Flow Assay Chemiluminescent Immunoassay Muliplex flow immunoassay Photomeric Visual Flowrocence Chemiluminescent Chemiluminescent Chemiluminescent Chemiluminescent	Immulie XPi Immune-Mycologies Inc. Immune-Mycologies Inc. Immune-Mycologies Inc. Immulie XPi Bisoplex 2200 Bisoplex 2200 Bisoplex 2200 Bisoplex 2200 Bisoplex 2200 HemoCue Triant Bistech Immulie XPi Immulie XPi		Nogative is Normal Pogative is Normal Fernale: 35-430 Male 80-560 Negative: 54 Indeterminate: 5-9 Positive: 210 Negative is Normal Negative is Normal Negative is Normal Segative is Normal 155.0 Presente is Normal 122 1122	N/A	Package Insert Package Insert Package insert, textbook Package insert ORUS Operating Manual Package Insert OSU valdstod range OSU valdstod Range	N/A N/A 15-1,000  1-300  N/A N/A N/A N/A N/A N/A N/A N/A 0.00-2,100.00 N/A 16-1,000 10-1,000 0.05-40.00  N/A	Negative / Positive Negative / Positive 15-1,000  1-30,000  Negative / Positive 10-1,000,000  10-1,000,000
CMV IgM Ab  C-Peptide  Crystoscocal Antigen Crystoscocal Antigen Crystoscocal Antigen Crystoscocal Antigen DIEA-Sulfate  DIEA-Sulfate  DIS DNA Ab, Quant dsDNA Antibody EBV VCA IgG Ab EBV VCA IgG Ab EBV VCA IgM Ab CRYSTOSCOCAL EBV AC IgM Ab EBV CA IgM Ab	CPEP CRAG PERAG DHES  N/A  N/A  EBVG EBVM ENAB N/A  GGFD GGFRDS GSTRDS GSTR	chemiluminescent immunometria assay Chemiluminescent Latera Flow Assay Latera Flow Assay Latera Flow Assay Chemiluminescent Immunoassay Muliplex flow immunoassay Photometric Vanual Elasorsence Chemiluminescent Chemiluminescent Two-site chemiluminescent Two-site chemiluminescent Two-site chemiluminescent Solid plause curyme-tabeled chemiluminescent	Immulie XPi Immuno-Mycologies Ine. Immuno-Mycologies Ine. Immuno-Mycologies Ine. Immuno-Mycologies Ine. Immuno-Mycologies Ine. Immunite XPi Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 HemoCue Trinity Bistech Immulie XPi Immulie XPi Immulie XPi Immulie XPi	neinL N/A N/A UgdL  UinL  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	Nogative is Normal Fernale: 35-430 Male 80-560 Megative: 54 Indexemine: 59 Positive: 210 Nogative: 10 Nogative: 10 Nogative: 10 Nogative is Normal 15-50 Present is Normal 25-50 Present is Normal 45-50 Present is Normal 55-0 Present is Normal	N/A	Package Insert Package Insert Package insert, textbook Package insert, textbook Package insert OSU validated rame OSU validated rame OSU validated Rame Package Insert OSU validated Rame Package insert, textbook	N/A N/A 15-1,000  1-300  N/A N/A N/A N/A N/A N/A N/A N/A N/A 10-1,000  10-1,000  0.05-40.00	Negative / Positive Negative / Positive 15-1,000  1-30,000  Negative / Positive 10-1,000,000  10-1,000,000  0.05-dilate to endpoint

March   Marc										
Description   Process	Hemoglobin, Fetal	HF	HPLC	Variant II	%	<1.0	N/A	Package Insert, Textbook	1.0-40.0	1.0-40.0
Description of the Company						Hemoglobin A: ≥95.0 Hemoglobin A2: 2.1-3.3				
Part	Hemoglobinopathy Eval	Abnormal HGB Detection, HEPR	HPLC	Variant II	%	Hemoglobin F: <1.0	N/A	Package Insert, Textbook	N/A	N/A
		116.15								
March   Marc						Heliogiooni 3, 0,0				
March   Marc	Hep A Ab, Total (IgG+IgM)	HAABG		Siemens SF Atellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/ Positive
Part   Control			,							
March State	Hon P. Core Ab Total (IgC+IgM)	UDCDG		Ciamana CE Atallian IM 1	N/A	Magazina is Normal	N/A	Bookson Incort	N/A	Magazina/ Basitina
Separation	nep B Core Ab, rotal (190+1931)	пьсьо	Immunoassay	Siellielis Si-Alelica IVI I	N/A	ivegative is ivolitial	N/A	r ackage insert	NA	regative rosaive
Separation	Hen B Surf As Neutralization	HBAGN	Specific Antibody Neutralization	Siemens SF Atellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/Positive
Professional Color	Trep b butt rig reutralization	TIDA CAT		Dieneis St. Atenea avi 1	1074	reguire is resinui	1071	r ucauge moere	1071	reguire resure
March   Marc	Hepatitis A IgM Ab	HAABM		Siemens SF Atellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/ Positive
March   Marc	Hamadala B. Com LaM Ab	HDCDM	2-Step IgM-Capture	Ciaman CE As-Way B. (1	N/A	Manadan is Manual	NIA	Dealers Issue	NIA	Managina / Bankina
Pages   Pages   December   Dece	nepatitis B Core igni Ab	пвсьм		Stemens SF Atenica IM 1	N/A	Negative is Normai	N/A	rackage insert	N/A	Negative Positive
Part	Honotitic P Suufoso Antihody	LIDEAD		Ciamana CE Atallian IM 1	N/A	Magazina is Normal	N/A	Bookson Incort	N/A	Magazina/ Basirina
March Mode	Hepatius B Surface Antibody	прэдр	Chemiluminescent Immunoassay	Siellielis Si-Alelica IVI I	N/A	ivegative is ivolitial	N/A	r ackage insert	NA	regauve rosaive
March Mode			Sandwich Direct							
Property Services	Hepatitis B Surface Antigen	HBSAG		Siemens SF Atellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/ Positive
Property Services		unen	or 2 1 1	mi i	2714	N	277		2774	N
Part	Hepatitis Be Antibody	HBEB	Chemiluminescent Immunoassay	Diasonn	N/A	Nonreactive is Normal	N/A	Package Insert	N/A	Nonreactive / Reactive
	Hepatitis Be Antigen	HBEG	Sandwich 2-Step Immunoassay	Siemens SF Atellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/ Positive
Proc.   Proc	Hepatitis C Antibody	HCAB	Indirect Sandwich Immunoassay	Siemens SF Alellica IM 1	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative/ Positive
Description   Process	HIV 1 and 2 Antibodies	HIV	Sandwich 2-Step Immunoassay	Siemens SF Atellica IM 1	N/A	Nonreactive is Normal	N/A	Package Insert	N/A	Nonreactive/ Reactive
Description   Process		TITE LAGO		n: n to :	27/4	N 2 2 1	277		2774	
Miles   Mile	HIV-1/HIV-2 Differentiation		Immunochromatographic Assay	Bio-Rad Genius	N/A	Nonreactive is normal	N/A	Package Insert	N/A	Nonreactive / Reactive
	HPV, High Risk, DNA		PCR	Cobas	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative / Positive
March   Marc								Textbooks, HSV-1&2 IgG		
March   Marc	HSV 1 And 2 IgG Antibody	HSVG12	Multiplex flow immunoassay	Bioplex 2200	N/A	Negative is Normal	N/A	procedure, Package Insert	N/A	Negative / Positive
	HSV IgM Antibody	HSVM	ELISA - Manual	Gold Standard	N/A	Negative is Normal	N/A	Textbooks, HSV-1&2 IgG	N/A	Negative / Positive / Equivocal
										,
	Immunofixation, Serum	SIMFXB	Electrophoresis	Sebia Capillarys 2 - Instrument 2	N/A	N/A	N/A	Package Insert	N/A	N/A
		* ** ** · *		e:	****		****	Reference Range Study	2 5 2000 -	2 4 2000 -
March Care Delay   March Care	Immunoglobulin IgE	IgE, Total		Siemens SF Atellica IM 2	IU/mL	≤165.3	N/A	11.3.2016	2.5-3000.0	2.5-3000.0
March Care Delay   March Care	Insulin	N/A	Two-step immunoassay	Immulite XPi	uIU/mL	≤29.1	N/A		2.0-300.0	2.0-300.0
March Courts   Marc	Insulin Glucose Tolerance:						1			
March   Marc					uic/iiiL					
Marie Coare Discord		INSUL3	Two-step immunoassay	Immulite XPi	uIU/mL	N/A	N/A	OSU established	2.0-300.0	2.0-300.0
March   Marc	Insulin Glucose Tolerance:	INCIT 4	Two-sten immunocon-	Immules VD:	nIII I Imi	N/A	N/A	OSII agtobliohod	2 0,200 0	2.0,200.0
Designation	5 Minutes									
Month   Control Part										
Description		INSUL2	Two-step immunoassay	Immulite XPi	uIU/mL	N/A	N/A	OSU established	2.0-300.0	2.0-300.0
			One-step sandwich	p. a						,
Descript   Description   Des	Insulin-like Growth Factor 1	Somatomedin C, IGF1		DiaSorin LIAISON XL	ng/mL	Age Dependent	N/A	Package Insert	10.0-1,200.0	10.0-1,200.0
Dec.   Section   Company								Atellica product insert (PTH)		
March 1   Marc			immunoassay					REV 4, 2020/11		
Process   Proc			Multiplex flow immunoassay							
Table   Tabl							N/A N/A			
						6.4-22.1		2017 OSU Study		
	Legionella Serogroup 1 Urinary Antigen	Legionella Urinary Ag	EIA		N/A	Negative is Normal	N/A	Package Insert	N/A	Negative / Positive
Miller Clark B. (Quarties: Circle   Miller Clark Quarties: C										-
Material Methods   Material Section   Material Se	Lyme Ab	N/A	Chemiluminescent Immunoassay	Diasorin Liaison XL SF 2	N/A	Negative is Normal	N/A	Package Insert	N/A	Negative / Positive
	M Tuberculosis By Quantiferon	OFT M. Tuberculosis Antioen	FLISA	Dissorin Linison XL SF 1	N/A	N/A	N/A	Package Insert	N/A	
Marche   M										
Margin Colon Communication   March Colon	Monoclonal Light Chain, Quantitative, Urines		Electrophoresis	Hydrasys 2	N/A	Negative is Normal	N/A	Package Insert	N/A	N/A
Proint Exemplanes    NA   Malpis Immunitive Aust   Region 2200   NA   Segues Almand   NA   Reduction for some mind   NA   Nagative Prairies		Random				_		Package Insert		N/A
Proint Extrapherals	Monoclonal Prot Immuno, Serum	Random Serum Monoclonal Protein	Capillary Electrophoresis	Capillarys 2	N/A	Negative is Normal	N/A	Package Insert BioPlex2200 MMRV IgG	N/A	N/A Negative-The absence of
Proint Extrapherest	Monoclonal Prot Immuno, Serum Mumps IgG Ab, Immune Status	Random Serum Monoclonal Protein Mumps Ab, IgG	Capillary Electrophoresis  Multiplex flow immunoassay	Capillarys 2 Bioplex 2200	N/A N/A	Negative is Normal Positive	N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010	N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies
Proint Recomplanesis	Monoclonal Prot Immuno, Serum Mumps IgG Ab, Immune Status	Random Serum Monoclonal Protein Mumps Ab, IgG	Capillary Electrophoresis  Multiplex flow immunoassay	Capillarys 2 Bioplex 2200	N/A N/A	Negative is Normal Positive	N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010	N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies
Protein Detrophenish   Second Excoplanesis   Decoplanesis   Capillary 2   gift	Monoclonal Prot Immuno, Serum Mumps IgG Ab, Immune Status	Random Serum Monoclonal Protein Mumps Ab, IgG	Capillary Electrophoresis  Multiplex flow immunoassay	Capillarys 2 Bioplex 2200	N/A N/A	Negative is Normal Positive Negative is Normal Albumin:	N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010	N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies
Protein Excreptations	Monoclonal Prot Immuno, Serum Mumps IgG Ab, Immune Status	Random Serum Monoclonal Protein Mumps Ab, IgG	Capillary Electrophoresis  Multiplex flow immunoassay	Capillarys 2 Bioplex 2200	N/A N/A	Negative is Normal Positive  Negative is Normal  Albumin: 3.5-5.0 g/dL	N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010	N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies
PTH Interest	Monoclonal Prot Immuno, Serum Mumps IgG Ab, Immune Status	Random Serum Monoclonal Protein Mumps Ab, IgG	Capillary Electrophoresis  Multiplex flow immunoassay	Capillarys 2 Bioplex 2200	N/A N/A	Negative is Normal Positive Negative is Normal Albumin: 3.5-5.0 g/dL Alpha 1:	N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010	N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies
PILILIANS	Monoclonal Prot Immuno, Serum  Mumps IgC Ab, Immune Status  Myeloperoxidase Antibodies	Random Serum Monoclonal Protein Mumps Ab, IgG N/A	Capillary Electrophoresis Multiplex flow immunoassay Multiplex ImmunoFlow Assay	Capillarys 2 Bioplex 2200 Bioplex 2200	N/A N/A N/A	Negative is Normal  Positive  Negative is Normal  Albumin: 3.5-5.0 g/dL  Alpha 1: 0.2-0.4 g/dL  Alpha 2:	N/A N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010 Instructions for use manual	N/A N/A N/A	N/A Negative-The absence of detectable IgG-chass antibodies Negative / Positive
PTI   Interest	Monoclonal Prot Immuno, Serum  Mumps IgC Ab, Immune Status  Myeloperoxidase Antibodies	Random Serum Monoclonal Protein Mumps Ab, IgG N/A	Capillary Electrophoresis Multiplex flow immunoassay Multiplex ImmunoFlow Assay	Capillarys 2 Bioplex 2200 Bioplex 2200	N/A N/A N/A	Negative is Normal Positive  Negative is Normal  Albumin: 3.5-5.0 g/dl. Alpha 1: 0.2-0.4 g/dl. Alpha 2: 0.5-1.0 g/dl.	N/A N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010 Instructions for use manual	N/A N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies Negative / Positive
PTH later	Monoclonal Prot Immuno, Serum  Mumps IgC Ab, Immune Status  Myeloperoxidase Antibodies	Random Serum Monoclonal Protein Mumps Ab, IgG N/A	Capillary Electrophoresis Multiplex flow immunoassay Multiplex ImmunoFlow Assay	Capillarys 2 Bioplex 2200 Bioplex 2200	N/A N/A N/A	Negative is Normal Positive  Negative is Normal  Albumin; 3.5-5.0 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 2: 0.5-1.0 g/dL Beta:	N/A N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010 Instructions for use manual	N/A N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies Negative / Positive
Description   Print	Monoclonal Prot Immuno, Serum  Mumps IgC Ab, Immune Status  Myeloperoxidase Antibodies	Random Serum Monoclonal Protein Mumps Ab, IgG N/A	Capillary Electrophoresis Multiplex flow immunoassay Multiplex ImmunoFlow Assay	Capillarys 2 Bioplex 2200 Bioplex 2200	N/A N/A N/A	Negative is Normal Positive Negative is Normal Albumin: 3.5-5.0 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 2: 0.5-1.0 g/dL Beta: 0.5-1.1 g/dL Gamma:	N/A N/A N/A	Package Insert BioPlex2200 MMRV IgG Procedure March 2010 Instructions for use manual	N/A N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies Negative / Positive
Quant FIFE Resource   Fife Processor   Margine Bland   NA   Declay point   NA   11-21508   NA   11-21508   NA   11-21508   NA   11-21508   NA   NA   Nagative in Name   NA   Peckage insert   NA   11-21508   NA   Name   NA   Nagative in Name   NA	Monoclonal Prot Immuno, Serum  Mumps IgC Ab, Immune Status  Myeloperoxidase Antibodies	Random Serum Monoclonal Protein Mumps Ab, IgG N/A	Capillary Electrophoresis Multiplex flow immunossasy Multiplex flow immunosFlow Assay  Electrophoresis	Capillarys 2 Bioplex 2200 Bioplex 2200	N/A N/A N/A	Negative is Normal Positive Negative is Normal Albumin: 3.5-5.0 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 2: 0.5-1.0 g/dL Beta: 0.5-1.1 g/dL Gamma:	N/A N/A N/A	Package Insert BisPlac2200 MMRV IgG Procedure Mark 2010 Instructions for use manual Package Insert	N/A N/A N/A	N/A Negative-The absence of detectable IgG-class antibodies Negative / Positive
	Monocloud Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Autibodies  Protein Electrophoresis	Random Serum Moncional Protein Mumps Ah, IgG N/A N/A Serum Electrophoresis	Capillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay Electrophoresis Two-site sandwich	Curillarys 2 Bioplex 2200 Bioplex 2200 Capillarys 2	N/A N/A N/A N/A	Negative is Normal Positive Negative is Normal Abamin: 3.5-5.0 g/dL. Alpha 1: 0.2-0.4 g/dL. Alpha 2: 0.5-1.0 g/dL. Alpha 2: 0.5-1.0 g/dL. Alpha 2: 0.5-1.0 g/dL. Alpha 2: 0.5-1.0 g/dL.	N/A N/A N/A	Package Insert BioPiec2200 MMRV IgG Procedure March 2010 Instructions for use manual Package Insert  Atellica product insert (PTH)  Atellica product insert (PTH)	N/A N/A N/A N/A	N/A  Negative-The absence of detectable Igi-cluss artificides  Negative / Positive  N/A
Resin Brint Chemitation of Committee Continuence of Continuence of Committee Continuence of Comm	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact	Random Serum Monocanal Protein Mumps Ab, IgG N/A N/A Serum Electrophoresis	Carillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay Electrophoresis Two-site sandwich immunossay Latera Flow Assay	Capillarys 2 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Siemens Atellica IM Immuno-Mycologies Inc.	N/A N/A N/A N/A  N/A  g/dL  pg/mL  N/A	Negative is Normal Positive Negative is Normal Abumin 3.5-50 g/dL Alpha 1: 2.2-0.4 g/dL Alpha 2: 0.5-10 g/dL Bets 0.5-11 g/dL Gamman 0.6-15 g/dL 14.0-72.0	N/A N/A N/A N/A N/A N/A N/A N/A N/A	Package Insert BisPle2.200 MMEV IgG Procedure Mark 2010 Instructions for use manual  Package Insert  Atellica product insert (PTH) REV 4, 2020 11	N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A Negative-The absence of detectible IgC-class artibodies Negative / Positive  N/A  N/A  6.3-160,000.0  11 - 3-12560
Retain   Remin, Direct   Commitmentscoret Immunoscopy   Discrit Laison XL SF 2   Pagin L.   200. 54.15.6   NA   Pechage insert   2.1-300.0	Monocloual Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Quant. Cryptocxecu Antigen, Blood  Quant PR. Regioner To Therapy Only	Random Serum Monchall Potein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy	Capillary Electrophoresis Multiplex flow immunossasy Multiplex flow immunosFlow Assay  Electrophoresis  Two-sic sandwich immunossasy Latera Flow Assay Multiplex flow immunossasy	Curillarys 2 Bioplex 2200 Bioplex 2200 Capillarys 2 Siemens Atellica IM Immuno-Mycologics Inc. Bioplex 2200	N/A N/A N/A N/A N/A  S/dL  g/dL  pg/mL N/A  Nonreactive / Reactive	Negative is Normal Positive Negative is Normal Abunin: 3.5-50 g/dL Alpha L: 0.2-0.4 g/dL Alpha L: 0.5-1.0 g/dL Bets: 0.5-1.1 g/dL Camman. 0.6-1.5 g/dL 14.0-72.0 Negative is Normal	N/A	Package Insert  BerPleac200 MAINU (gc Procedure March 2010  Instructions for use manual  Package Insert  Arelies product insert (PTH)  REV 4, 202011  Package Insert  Package Insert	N/A N/A N/A N/A N/A  N/A  6.3-2,000.0 N/A N/A	N/A. Negative-The absence of detectable IgG-class antibodies Negative / Postave  N/A  N/A  6.3-160,000.0  11.1 = 21.2506
Renin Renin Persis Combinations of Lineary XL SF2 pg/ml. Sell-1.5 MA Package ment 22-1-300.0 2-1-3,000.0 1 2-1-3,0	Monocloual Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Quant. Cryptocxecu Antigen, Blood  Quant PR. Regioner To Therapy Only	Random Serum Monchall Potein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy	Capillary Electrophoresis Multiplex flow immunossasy Multiplex flow immunosFlow Assay  Electrophoresis  Two-sic sandwich immunossasy Latera Flow Assay Multiplex flow immunossasy	Curillarys 2 Bioplex 2200 Bioplex 2200 Capillarys 2 Siemens Atellica IM Immuno-Mycologics Inc. Bioplex 2200	N/A N/A N/A N/A N/A  S/dL  g/dL  pg/mL N/A  Nonreactive / Reactive	Negative is Normal Positive Negative is Normal Absumint 3.5-5.0 g/d. 3.5-5.0 g/d. 3.5-5.0 g/d. 3.5-6.0 g/d. 3.5-6.0 g/d. 3.5-6.0 g/d. 3.5-1.1 g/d. Bate 0.5-1.1 g/d. Gamma: 0.6-1.5 g/d. 14.0-72.0 Negative is Normal Normactive is Normal	N/A	Package Insert  BerPleac200 MAINU (gc Procedure March 2010  Instructions for use manual  Package Insert  Arelies product insert (PTH)  REV 4, 202011  Package Insert  Package Insert	N/A N/A N/A N/A N/A  N/A  6.3-2,000.0 N/A N/A	N/A. Negative-The absence of detectable IgG-class antibodies Negative / Postave  N/A  N/A  6.3-160,000.0  11.1 = 21.2506
Research Partholos   RIDOT   Molecks for immunoscence   Disords 2000   N/A   Negative Normal   N/A   Pedage insert, tutthook   N/A   Negative Parameter   N/A   Negative Parameter   N/A   Pedage insert, tutthook   N/A   Negative Parameter   N/A   Negative Paramete	Monocloual Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Quant. Cryptocxecu Antigen, Blood  Quant PR. Regioner To Therapy Only	Random Serum Monchall Potein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy	Capillary Electrophoresis Multiplex flow immunossasy Multiplex flow immunosFlow Assay  Electrophoresis  Two-sic sandwich immunossasy Latera Flow Assay Multiplex flow immunossasy	Curillarys 2 Bioplex 2200 Bioplex 2200 Capillarys 2 Siemens Atellica IM Immuno-Mycologics Inc. Bioplex 2200	N/A N/A N/A N/A N/A  S/dL  g/dL  pg/mL N/A  Nonreactive / Reactive	Negative is Normal Positive Negative is Normal Abaumin 3.5-5.0 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 2: 0.5-1.0 g/dL Bette 0.6-1.5 g/dL 1.0-72.0 Negative is Normal Normeaches is Normal	N/A	Package Insert  BerPleac200 MAINU (gc Procedure March 2010  Instructions for use manual  Package Insert  Arelies product insert (PTH)  REV 4, 202011  Package Insert  Package Insert	N/A N/A N/A N/A N/A  N/A  6.3-2,000.0 N/A N/A	N/A. Negative-The absence of detectable IgG-class antibodies Negative / Postave  N/A  N/A  6.3-160,000.0  11.1 = 21.2506
Palasanean P-Authbady   BIDPT   Markets for immensions   Bioche 2500   N.A.   Negative Natural   N.A.   Palasa inset verbook   N.A.   N.A.   N.A.   N.A.   Palasa inset verbook   N.A.	Monocloud Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  Prili Intact  Omant P.PR. Response In Therapy Only  Omant RPR. Response In Therapy Only  Omantative RPR	Random Serum Monodam Protein Mumps Ab, IgG N/A N/A Serum Electrophoresis	Capillary Electrophorosis Multiplex flow immunossay Multiplex Immuno-Flow Assay  Electrophorosis  Electrophorosis  Two-sits sandwich immunossay Laterel Flow Assay Multiplex flow immunossay Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Stemens Atellica IM Immunos Mycologies Inc. Bioplex 2200 Bioplex 2200	N/A N/A N/A N/A N/A  g'dL  g'dL  N/A  N/A  N/A  N/A  N/A  N/A  N/A  Noneactive Reactive	Negative is Normal Positive Negative is Normal Abunin 3.5-50 gift. Alpha 1- 2.0-2-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	N/A	Package insert  BoPea2300 AMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  REV 4, 2000 11  Package Insert  Package insert  Package insert	N/A	N/A Negative-The absence of detectable IgG-class antibodies Negative / Positive  N/A  N/A  6.3-160,000.0  13 - 21,2048  11 - 21,2048
Ribournal F Autflowly   RIBOPT   Multiples (from immonouse)   Bloghes 2200   N/A   Negative (Normal Normal No.   Package merit, tutbook   N/A   Negative / Footing   Normal Normal No.   Package merit, tutbook   N/A   Negative / Footing   Normal Normal No.   Normal Normal No.   Normal Nor	Monocloud Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  Prili Intact  Omant P.PR. Response In Therapy Only  Omant RPR. Response In Therapy Only  Omantative RPR	Random Serum Monodam Protein Mumps Ab, IgG N/A N/A Serum Electrophoresis	Capillary Electrophorosis Multiplex flow immunossay Multiplex Immuno-Flow Assay  Electrophorosis  Electrophorosis  Two-sits sandwich immunossay Laterel Flow Assay Multiplex flow immunossay Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Stemens Atellica IM Immunos Mycologies Inc. Bioplex 2200 Bioplex 2200	N/A N/A N/A N/A N/A  g'dL  g'dL  N/A  N/A  N/A  N/A  N/A  N/A  N/A  Noneactive Reactive	Negative is Normal Positive Negative is Normal Abbunit 3.5-50 g/dl. Alaba 1. 2.20-6 g/dl. 2.20-6 g/dl. 3.5-10 g/dl. Bets 0.5-10 g/dl. Bets 0.5-11 g/dl. Camman 0.6-15 g/dl. 14.0-72.0 Negative is Normal Normeactive is Normal Normeactive is Normal Linibilit 4.00-12.20 2.00-13.6-81.6	N/A	Package insert  BoPea2300 AMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  REV 4, 2000 11  Package Insert  Package insert  Package insert	N/A	N/A. Negative-The absence of detectable [gG-class antibodies   Negative   Positive   Negative   Positive   N/A  6.3-160,000.0  13 21,2560 11 21,2048
RPF and blook   RPF   Meliples from immunosure   Biophe 2700   N/A   Nearestive (Reading   Notice)   Notice (Reading   Notice)   Notice (Reading   Notice)   Notice (Reading   Notice)   Notice)   Notice (Reading   Notice)   Notice)   Notice)   Notice (Reading   Notice)   N	Monocloud Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  Prili Intact  Omant P.PR. Response In Therapy Only  Omant RPR. Response In Therapy Only  Omantative RPR	Random Serum Monodam Protein Mumps Ab, IgG N/A N/A Serum Electrophoresis	Capillary Electrophorosis Multiplex flow immunossay Multiplex Immuno-Flow Assay  Electrophorosis  Electrophorosis  Two-sits sandwich immunossay Laterd Flow Assay Multiplex flow immunossay Multiplex flow immunossay Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Stemens Atellica IM Immunos Mycologies Inc. Bioplex 2200 Bioplex 2200	N/A N/A N/A N/A N/A  g'dL  g'dL  N/A  N/A  N/A  N/A  N/A  N/A  N/A  Noneactive Reactive	Negative is Normal Positive Negative is Normal Abamin 3.5-50 g/dl. Alpha 1. 2.2-0 g/dl. Alpha 1. 2.3-1 g/dl. Alpha 2. 3.5-1 g/dl. Alpha 2. 4.0-7.2.0 Negative is Normal Norneactive is Normal Sonneactive is Normal Norneactive is Normal	N/A	Package insert  BoPea2300 AMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  REV 4, 2000 11  Package Insert  Package insert  Package insert	N/A	N/A. Negative-The absence of detectable [gG-class antibodies   Negative   Positive   Negative   Positive   N/A  6.3-160,000.0  13 21,2560 11 21,2048
RPR	Monochand Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myclaperoxidase Antibodies  Protein Electrophoresis  Priti Intact  Ouant, Cryptococcus Antigen, Blood  Ouant RPR, Response To Brenay Outv  Ouantintive RPR  Renin	Rendom Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  Renin, Direct	Capillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich immunossay Latened Flow Multiplex flow immunossay Multiplex flow immunossay Chemiluminiscent Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Atelica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 2200 Dissorin Lision XL SF 2	N/A N/A N/A N/A N/A  g/dL  pg/mL N/A Nonreactive / Reactive N/A pg/mL	Negative is Normal Positive Negative is Normal ABussite 3.85-10 g/dt Alpha 1: 0.2-0.4 g/dt Alpha 2: 0.5-10 g/dt Alpha 2: 0.5-11 g/dt Bets 0.5-11 g/dt Carman 0.6-1.5 g/dt 14.0-72.0 Negative is Normal Normactive is Normal	N/A	Package insert  BusPleaClo OMARV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert  Package insert  Package insert  Package insert	N/A N/A N/A N/A N/A N/A  N/A  N/A  100000 N/A	N/A Negative The absence of detectable [gG-class antibodies Negative / Positive  N/A  N/A  6.3-160,000.0  [j.1 - 21,2560  [j.1 - 21,2048  2.1-3,000.0
Rebela Imme Status   G. Authbody   RUBAB   Multiples flow immunossupy   Biople 2200   Negative   Positive   Positive   Positive   NiA   BioPle2200   NiA   Reporter   Reporter   NiA   Reporter   Re	Monochual Prot Immuna, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  Pril Intact  Ouant, Cryptococcus Antigen, Blood  Ouant RPR, Response To Therapy Only  Ouantitative RPR  Renin	Random Serum Monochean Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH  N/A  RPR, Thorapy  N/A  Renin, Direct	Carillary Electrophoresis Multiplex flow immunossay Multiplex flow immunossay Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich immunossay Lateral Flow Assay Multiplex flow immunossay	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 2200 Dissorin Lisison XL SF 2 Bioplex 2200	N/A N/A N/A N/A N/A S/dL g/dL  pg/mL N/A Nonreactive Reactive N/A Nonreactive IReactive N/A N/A N/A	Negative is Normal Positive Negative is Normal Abbunt 3.5-50 g/dl. Alpha L1 2.2-0-4 g/dl. 2.5-10 g/dl. 3.5-11 g/dl. 2.5-10 g/dl. 3.5-11 g/dl. 2.5-10 g/dl. 3.5-11 g/dl. 2.5-10 g/dl. 3.5-11 g/dl. 3.5-10	N/A	Package insert  BoPle2.200 MMRV IgG Procedure March 2010 Instructions for use manual  Package Insert  Artilica product insert (PTH) Package insert	N/A N/A N/A N/A N/A N/A N/A N/A 2.1-300.0	N/A  Negative-The absence of deceable Ig6-clus unifiedies  Negative / Postive  N/A  N/A  63-160,000.0  11-212560  11-212048  21-3,000.0  Negative / Postive
Relieful January Status Jeff, Authbudy   RUBOB   Multiples flow immunossupy   Bioples 2200   Negative / Positive   Positive   Positive   N/A   BioPles 2000   N/A   Declarate Material 2010	Monochand Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myclaperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact  Ouant. Cryptococcus Antigen, Blood  Ouant RPE, Requises To Theraty Ouly  Renin  Rhosomal P Antibody  RPP Antibody	Random Serum Moncolean Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  FPH  N/A  RPR, Therapy  N/A  Remin, Direct  RIBOPT  RNPT  Rand Plasma Reagan	Curillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  munossay  Latera Flow Assay  Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Siemens Arelica IM Immuno-Mycologica Inc. Bioplex 2200	N/A N/A N/A N/A N/A  g/dL  pg/mL N/A Noneractive / Reactive N/A N/A N/A	Negative is Normal Positive Negative is Normal Adminit	N/A	Package insert  Package insert  Atellica product insert (PTH) REV 4, 202011  Package insert  Package insert  Package insert  Package insert  Package insert	N/A N/A N/A N/A N/A N/A  N/A  N/A  6.3-2.000.0  N/A N/A N/A N/A N/A N/A N/A N/A N/A N/	N/A. Negative / Positive  Negative / Positive  Negative / Positive  N/A  6.3-160,000.0  1:1 - 21,2560  1:1 - 21,2048  1:1 - 21,2048  2.1-3,000.0  Negative / Positive  Negative / Positive
Rubels IgG Ab (Immme Status)   RUBOIB   Multiplex flow immunossay   Baplex 2200   Negative / Positive   Posi	Monochual Prot Immuna, Serum Munps IgG Ab, Immune Status Myeloperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Ouant, Cryptococcus Antigen, Blood Ouant RPR, Response, To Therapy Only Ouantitative RPR  Renin  Rhosomal P Antibody RPP Antibody RPR	Random Serum Moncolean Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  FPH  N/A  RPR, Therapy  N/A  Remin, Direct  RIBOPT  RNPT  Rand Plasma Reagan	Carillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich immunossay Lateral Flow Assay Multiplex flow immunossay	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Siemens Artellica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 2200 Dissorin Lisison XL SF 2 Bioplex 2200	N/A N/A N/A N/A N/A N/A Sg'dL  pg'mL N/A Neareactive / Reactive N/A N/A N/A N/A N/A N/A Norreactive / Reactive	Negative is Normal Positive Negative is Normal Abunta Abunta 3.5-50 g/dl. Adpha L1 0.2-0-0 g/dl. 0.5-10 g/dl.	N/A	Package Insert  BioPiec2300 MHRW IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atcllica product insert (PTH)  REV 4, 202011  Package insert	N/A	N/A
Sex Harmone Binding Globulin  SHBG  Sold place, two-site de-class anabodies  Sidde Cell Screen  Sidde Hemoglobin Solubility  San Authority  Tryend-Stematuling Immunoglobulin  Tasa  Chemilaminescent Immunoscopy  San Authority  Towapisan ing Gantibouty  Towapisan ing Gantibo	Monochand Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antihodies  Protein Eketruphoresis  PTH Intact Quant. Cryptosecen. Antipen. Blood Quant RPR. Responses In Therapy Only Quantitative RPR. Renin  Ribosomal P Antibody RPP. RPR. abby	Rendom Serum Monoclosal Protein Mumps Ah, IgG N/A N/A Serum Electrophoresis  IPTH N/A RPR, Thorapy N/A Renin, Direct  RIBOPT RNPT Rud Plasma Reagon RPR, Resustal	Capillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay Multiplex ImmunoFlow Assay Electrophoresis  Two-site sandwich immunossay Multiplex flow immunossay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarya 2  Siemens Atellica IM Immuno Mycologica Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A  g'dL  pg'mL N/A Nonexective Reactive N/A N/A Nonexective Reactive N/A N/A Nonexective Reactive N/A N/A Nonexective Reactive	Negative is Normal Positive Negative is Normal Adminit: 3.5-50 g/dl. Alpha 1: 0.2-0.4 g/dl. Alpha 2: 0.5-1.0 g/dl. Bete 0.5-1.1 g/dl. Bete 0.5-1.1 g/dl. Camman. 0.6-1.5 g/dl. Negative is Normal Vonteactive as Normal United Uni	N/A	Package insert  BePleach Mark (gc BePleach Mark (gc) Brocodine March 2010 Instructions for use manual  Package Insert  Artilica product insert (PTH) BEV 4, 2020/11 Package Insert	N/A	N/A
See Hormone Binding Globulin Sielde Cell Screen Sielde Cell Screen Sielde Hemoglobin Solubility Sm. Autilbody Sm. Autilbody Sm. Autilbody Ss.	Monochand Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Ouant. Cryptococcus Antigen, Blood Ouan RPE, Reymost To Therany Only Ouantintive RPE  Renin  Rhosomal P Antibody RPP Antibody RPP Antibody RPP Baby Rubella Immune Status IgG Autibody	Rendom Serum Monoclosal Protein Mumps Ah, IgG N/A N/A Serum Electrophoresis IPTH N/A RPR, Thorapy N/A Renin, Direct RIBOPT RRIPT Rapid Plasma Reagin RPR, Recustal RUBAB	Capillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay Multiplex ImmunoFlow Assay Electrophoresis Two-site sandwich immunossay Latened Flow immunossay Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologies Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A  g'dL  pg'mL N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive Negative / Positive	Negative is Normal Positive Negative is Normal ABussite 3.85-10 g/dt Alpha 1: 0.2-0.4 g/dt Alpha 1: 0.2-0.4 g/dt Alpha 2: 0.5-1.0 g/dt Beta 0.5-1.1 g/dt Carman 0.6-1.5 g/dt 14.0-72.0 Negative is Normal Normactive is Normal Limitals 2.0-0.3 g/dt 2.0-0.3	N/A	Package insert  BePea2300 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  BEV 4, 2000 11  Package Insert	N/A	N/A   Negative   Positive   Negative   Positive   N/A   Negative   Positive   N/A
Sex Hormone Binding Globulin SHBG chemilaminescent immunites Sasy Modified Nahandian Procedure Sickle Cell Screen Sickle Homoglobin Solubility Modified Nahandian Procedure Sas Authordy San Authordy Sa	Monochand Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Ouant. Cryptococcus Antigen, Blood Ouan RPE, Reymost To Therany Only Ouantintive RPE  Renin  Rhosomal P Antibody RPP Antibody RPP Antibody RPP Baby Rubella Immune Status IgG Autibody	Rendom Serum Monoclosal Protein Mumps Ah, IgG N/A N/A Serum Electrophoresis IPTH N/A RPR, Thorapy N/A Renin, Direct RIBOPT RRIPT Rapid Plasma Reagin RPR, Recustal RUBAB	Capillary Electrophoresis Multiplex flow immunossay Multiplex ImmunoFlow Assay Multiplex ImmunoFlow Assay Electrophoresis Two-site sandwich immunossay Latened Flow immunossay Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologies Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A  g'dL  pg'mL N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive Negative / Positive	Negative is Normal Positive Negative is Normal Albamine A	N/A	Package insert  BePea2300 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  BEV 4, 2000 11  Package Insert	N/A	N2/A
Sickle Cell Screen Sickle Hemoglobin Solubility Sm AntiBody Sm Ant	Monochand Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Ouant. Cryptococcus Antigen, Blood Ouan RPE, Reymost To Therany Only Ouantintive RPE  Renin  Rhosomal P Antibody RPP Antibody RPP Antibody RPP Baby Rubella Immune Status IgG Autibody	Rendom Serum Monoclosal Protein Mumps Ah, IgG N/A N/A Serum Electrophoresis IPTH N/A RPR, Thorapy N/A Renin, Direct RIBOPT RRIPT Rapid Plasma Reagin RPR, Recustal RUBAB	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophorosis  Two-site sandwich immunossay  Lateral Flow Assay  Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologies Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A  g'dL  pg'mL N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive N/A N/A Nonreactive / Reactive Negative / Positive	Negative is Normal Positive Negative is Normal Albamine A	N/A	Package insert  BePea2300 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  BEV 4, 2000 11  Package Insert	N/A	N/A   Negative   Positive   Negative   Positive   N/A   Negative   Positive   N/A
Sickle Cell Screen  Sickle Hemoglobin Solubility  Montfold Nabudatin Procedure Solubility  Smarthody  Sphalis Admitted;  Smarthody  Sphalis Admitted;  Smarthody  Sphalis Admitted;  Smarthody  Sphalis Admitted;  Smarthody   Monocloud Prot Immun, Serum Munps IgG Ab, Immune Status Myeloperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Onant Cryptococcus Antigen, Blood Onant RFR, Response To Therany Only Onantifative RFR  Renin  Rhonomal P Antibody RNP Antibody RNP Antibody RPR RPR - Baby Rubella Immune Status IgG Antibody Rubeda IgG Ab (Immune Status)	Random Serum Monocheal Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A RPR, Thorapy N/A  Renin, Direct  RIBOPT Resid Plasma Residi RUBAB  RUBOIB	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  Two-site sandwich  Two-site sandwich  Austral Flow Immunossay  Multiplex flow immunossay  Solid plaue, two-site  chemiliuminescent	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Capillarys 2 Sismens Atellica IM Immuno-Mycologics Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A N/A  pg/nL N/A Nonreactive / Reactive N/A	Negative is Normal Positive Negative is Normal Adamsite 3.5-50 g/dL Adapta 1: 0.2-0.4 g/dL Adapta 1: 0.2-0.4 g/dL Adapta 2: 0.5-1.0 g/dL Bets 0.5-1.1 g/dL Bets 0.5-1.1 g/dL Bets 0.5-1.2 g/dL Negative is Normal Vortexceive is Normal Normexceive is Normal Vortexceive is Normal Normexceive is Normal Normexceive is Normal Normexceive is Normal Positive Positive  Positive  Positive  Mak: 10-57 Female	N/A   N/A	Package Insert  BioPiec2200 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert	N/A	N/A   Negative   The absence of detectable IgG-class antibodies   Negative / Positive   N/A   N/A   N/A   N/A   N/A   N/A   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   Negative / Positive   Negative / Positive / Negative / Positive   Negative / Positive / Negative / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Negative / Negative / Negative / Positive / Negative	
Secret Cell Servers Secret Cell Servers Sear Authorbody Sent Sent Sent Sent Sent Sent Sent Sent	Monocloud Prot Immun, Serum Munps IgG Ab, Immune Status Myeloperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  PTH Intact Onant Cryptococcus Antigen, Blood Onant RFR, Response To Therany Only Onantifative RFR  Renin  Rhonomal P Antibody RNP Antibody RNP Antibody RPR RPR - Baby Rubella Immune Status IgG Antibody Rubeda IgG Ab (Immune Status)	Random Serum Monocheal Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A RPR, Thorapy N/A  Renin, Direct  RIBOPT Resid Plasma Residi RUBAB  RUBOIB	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  Two-site sandwich  Two-site sandwich  Austral Flow Immunossay  Multiplex flow immunossay  Solid plaue, two-site  chemiliuminescent	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Capillarys 2 Sismens Atellica IM Immuno-Mycologics Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A N/A  pg/nL N/A Nonreactive / Reactive N/A	Negative is Normal Positive Negative is Normal ABunnite 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.1 g/dt. 3.6-1.2 g/dt. 3.6-1.2 g/dt. 3.6-1.3 g/dt. 3.	N/A   N/A	Package Insert  BioPiec2200 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert	N/A	N/A   Negative   The absence of detectable IgG-class antibodies   Negative / Positive   N/A   N/A   N/A   N/A   N/A   N/A   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   Negative / Positive   Negative / Positive / Negative / Positive   Negative / Positive / Negative / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Negative / Negative / Negative / Positive / Negative
Semilar   Semi	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Quant Cryptoseccus Antipen, Blood  Quant RPR, Resours To Theray Only  Quantifative RPR  Renin  Ribosomal P Antibody  RNP Antibody  RNP Antibody  RNP Antibody  RNP Antibody  ROPE Baby  Rubella Immune Status IgG Antibody  Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin	Random Serum Monochean Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  FPH  N/A  RPR, Therapy  N/A  Remin, Direct  RIBOPT  RNPT  RAND RPR, Neonatal  RUBAB  RUBAB  RUBOIB	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sandwich  immunossay  Multiplex flow immunossay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno Mycologica Inc. Bioplex 2200	N/A N/A N/A N/A N/A N/A N/A  pg'dL  pg'mL N/A N-A Nemesterive / Reactive N/A N/A N/A N/A Nemesterive / Reactive Nemesterive / Positive	Negative is Normal Positive Negative is Normal ABunnite 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.1 g/dt. 3.6-1.2 g/dt. 3.6-1.2 g/dt. 3.6-1.3 g/dt. 3.	N/A   N/A	Package Insert  BioPiec2200 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert	N/A	N/A   Negative   The absence of detectable IgG-class antibodies   Negative / Positive   N/A   N/A   N/A   N/A   N/A   N/A   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   1:1 - 2:12048   Negative / Positive   Negative / Positive / Negative / Positive   Negative / Positive / Negative / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Negative / Negative / Negative / Positive / Negative
SS-RRO AntiBody SA AntiBody Multiples flow immunossays S-RAO AntiBody SS AntiBody Multiples flow immunossays Bioples 2200 N/A Negative is Normal N/A Package insert, testbook N/A Negative is Normal N/A Package insert testbook N/A Negative is Normal N/A Package insert, testbook N/A Negative is Normal N/A Package insert testbook N/A N/A N/A N/A Package insert testbook N/A N/A N/A N/A Package insert testbook N/A N/A N/A N/A N/A N/A Package insert testbook N/A N/A N/A N/A N/A N/A N/A N/A N/A Package insert testbook N/A	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Quant Cryptoseccus Antipen, Blood  Quant RPR, Resours To Theray Only  Quantifative RPR  Renin  Ribosomal P Antibody  RNP Antibody  RNP Antibody  RNP Antibody  RNP Antibody  ROPE Baby  Rubella Immune Status IgG Antibody  Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin	Random Serum Monochean Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  FPH  N/A  RPR, Therapy  N/A  Remin, Direct  RIBOPT  RNPT  RAND RPR, Neonatal  RUBAB  RUBAB  RUBOIB	Curillary Electrophoresis  Multiplex flow immunossay  Multiplex InmunoFlow Assay  Electrophoresis  Two-site sandwich  mmunossay  Latera Flow Assay  Multiplex flow immunossay	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 2000	N/A N/A N/A N/A N/A N/A N/A  pg'dL  pg'mL N/A N-A Nemesterive / Reactive N/A N/A N/A N/A Nemesterive / Reactive Nemesterive / Positive	Negative is Normal Positive Negative is Normal Adhumin: 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bette 0.5-1	N/A   N/A	Package insert  Package insert  Arellica product insert (PTH)  BEV 4. 20011  Package insert	N/A	N/A   Negative   Positive   No.   Negative   Positive   No.   Negative   Positive   No.
SSBALA Authbody   SSB Authbody   SSB Authbody   SSB Authbody   Direct androich assoy   Direct sandwich assoy   Direct androich   D	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Ounar, Cryptoseccus Antigen, Blood  Ounar RPR, Regnons To Therary Only  Renin  Renin  Ribosomal P Antibody  RPP, Antibody  RPR, Engly  Rubella Immune Status (G Autibody  Rubenla Inmune Status)  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody	Random Serum Monochean Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH  N/A  RPR, Therapy  N/A  Renin, Direct  RIBOPT  ROPT  ROPT  ROPT  ROPT  ROPT  ROPT  ROPT  ROPT  SAND  SHBG  SIBG  SIBG  Sickle Hemoglobin Solubility  Smith Antiblody  Smith Antiblody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sendwich immunossay  Letteri Flow Assay  Multiplex flow immunossay  Modified Nalbandan Presedure  Solubility  Multiplex flow immunossay	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2 Capillarys 2 Capillarys 2 Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 2000	N/A N/A N/A N/A N/A N/A N/A  pg/dL  pg/mL N/A Nomeactive / Reactive N/A N/A N/A Nomeactive / Reactive Nomeactive / Positive Nomeactive / Positive	Negative is Normal Positive Negative is Normal ABunnite 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.0 g/dt. 3.5-5.1 g/dt. 3.	N/A   N/A	Package Insert  BioPiec2200 MMRV IgG Procedure March 2010 Instructions for use manual  Package Insert  Atellica product insert (PTH) REV 4, 2020/11 Package insert  Package insert, textbook	N/A N/A N/A N/A N/A N/A N/A N/A  6.3-2,000.0 N/A	N/A   Negative   Positive   Negative   Positive   Positive   Negative   Positive   Neg
Syphilis Ad v/Reflex RPR Syphilis (s/f)(M) Authorly with Reflex RPR Thyroid-Stimulating Immunoglobulin TSI Chemilaminescent Immunossay Semens Atellica M 1 & 2 N/A Noneactive is Normal N/A Noneactive is Normal N/A Package insert N/A Noneactive is Normal N/A Package insert N/A Negative is Normal N/A Package Insert 0.10-0.00 0.	Monocloud Prot Immuno, Serum Munps IgG Ab, Immune Status Mychoperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  Prili Intact Ouant. Cryptococcus Antigen, Blood Ouant RFR. Rospanse To Therany Ouly Ouantitative RFR  Renin  Ribosomal P Antibody RFR RPP Antibody RPR Rubella Immune Status IgG Antibody Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Screen Sm Antibody Sm RNF Antibody Sm RNF Antibody Sm RNF Antibody	Rendom Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A RPR, Thorapy N/A  Renin, Direct  RIBOPT RNPT Rand Plasma Reagan RPR, Nosmatal RUBAB  RUBAB  RUBOIB  Sidde Hemoglobin Solubility Smith Autibody N/A	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  immunossay  Latient Plow Assay  Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarye 2  Siemens Arelica IM Immuno-Mycologies Inc. Bioplex 2200 Bioplex 200	N/A N/A N/A N/A N/A N/A N/A Nonreactive / Reactive N/A Nonreactive / Reactive N/A Nonreactive / Reactive N/A Nonreactive / Reactive Nonreactive / Reactive Nogative / Positive Negative / Positive Negative / Nositive Nogative / Nositive Nogative / Nositive Nogative / Nositive	Negative is Normal Positive Negative is Normal Adminit	N/A   N/A	Package insert  Atellica product insert (PTH) REV 4, 200011  Package insert  P	N/A	N/A Negative / Positive    Negative / Positive
Thypoid-Stimulating Immunoglybulin   TSI   Chemiluminescent Immunossup   Siences Immunic 2000 XF;   IU/L   \$0.55   N/A   Package Insert   0.10-4.00   0.10-4.00   0.10-4.00	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Ounart Cryptoseccus Antigen, Blood  Ounar RPR, Regnons To Therary Only  Ounartitative RPR  Renin  Renin  Ribosomal P Antibody  RPR Attibudy  RPR Baby  Robella Immune Status IgG Antibody  Robella Immune Status IgG Antibody  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody  Sm RNP Antibody	Random Serum Moroclean Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH  N/A  RPR, Thorapy  N/A  Renin, Direct  RIBOPT  RNPT  RNPT  RNPT  RNPT  RNPT  RNPT  RNPT  RNPT  RNPT  SAND  SEM  RUBOIB  SIMB   Capillary Electroeborosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sandwich immunossay  Lateri Flow Assay  Multiplex flow immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarye 2 Capillarye 2 Capillarye 2 Capillarye 2 Capillarye 2 Dissorin Lision XL SF 2 Dissorin Lision XL SF 2 Bioplex 2200	N/A	Negative is Normal Positive Negative is Normal Adhumin 3.5-5.0 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 1: 0.2-0.4 g/dL Alpha 2: 0.5-1.0 g/dL Bette 0.5-1.0 g/dL 1.0-72.0 Negative is Normal Normactive is Normal Normative is Normal	N/A   N/A	Package insert  Bellow 200 MAIN 1/gc Procedure March 2010  Instructions for use manual  Package Insert  Artellica product insert (PTH) REV 4, 202011  Package Insert  cetbook  Package insert, textbook  Package insert, textbook  Package insert, textbook  Package insert, textbook	N/A	N/A Negative / Positive N/A  6.3-160,000.0 11.1 = 21.2048 11.1 = 21.2048 11.1 = 21.2048 11.1 = 21.2048 Negative / Positive	
Touplasma Ig Antibody  TOXOG  Sandwich Dreet Chembanisescent Immunossay  Urine Immunofixation, Random  Monechnal Prot Immft, Urine Random  Monechnal Prot Immft, Urine Random  Makple Row immunossay  Boplex 200  N/A  Positive is Normal  N/A  Positive is Normal  N/A  Package Insert  N/A  Package Insert  N/A  N/A  N/A  N/A  N/A  Positive is Normal	Monocloud Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antibodies  Protein Electrophoresis  Priti Intact Quant. Cryptoseccu. Antipen, Blood Quant RPR. Responses In Therapy Only Quantitative RPR Renin  Ribosomal P Antibody RPF Ribody RPF Rubel Immune Status IgG Antibody Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Serven Sm Autibody SmRNP, Autibody SS-RAGO Antibody	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPH, Therapy NA  Renin, Direct  RIBOPT RNPT Renin Direct  RIBORT ROBER RUBAIB RUBAIB RUBAIB Sidde Hemoglobin Solubility Sidde Hemoglobin Solubility Sidde Hemoglobin Solubility SSA Anthody SSB Anthody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  Two-site sandwich  Immunossay  Multiplex flow immunossay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno-Mycologica Inc. Bioplex 2200	N/A	Negative is Normal Positive Negative is Normal Adminit 3.5-50 g/dl. Adminit 3.5-50 g/dl. Adpha 1: 0.2-0.4 g/dl. Adpha 2: 0.5-10 g/dl. Bete 0.5-11 g/dl. Bete 0.5-11 g/dl. Bete 0.5-13 g/dl. Bete 0.5-13 g/dl. Sugative is Normal Normocitive is Normal Vocanitive is Normal	N/A   N/A	Package insert  BisPlea2300 MMRV IgG  Procodure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4_202011  Package insert  estbook	N/A	N/A. Negative / Positive  Negative / Positive  6.3-166,000.0  11.1 = 21.2048  11.1 = 21.2048  2.1-3,000.0  Negative / Positive
Chemiluminoscut Immunoscut John   Chemiluminoscut John   Chemilumino	Monocloud Prot Immuno, Serum Munps IgG Ab, Immune Status Mychaperoxidase Antibodies  Protein Electrophoresis  Priti Intact Quant. Cryptoseccu. Antipen, Blood Quant RPR. Responses In Therapy Only Quantitative RPR Renin  Ribosomal P Antibody RPF Ribody RPF Rubel Immune Status IgG Antibody Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Serven Sm Autibody SmRNP, Autibody SS-RAGO Antibody	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPH, Therapy NA  Renin, Direct  RIBOPT RNPT Renin Direct  RIBORT ROBER RUBAIB RUBAIB RUBAIB Sidde Hemoglobin Solubility Sidde Hemoglobin Solubility Sidde Hemoglobin Solubility SSA Anthody SSB Anthody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  Two-site sandwich  Immunossay  Multiplex flow immunossay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno-Mycologica Inc. Bioplex 2200	N/A	Negative is Normal Positive Negative is Normal Adminit 3.5-50 g/dl. Adminit 3.5-50 g/dl. Adpha 1: 0.2-0.4 g/dl. Adpha 2: 0.5-10 g/dl. Bete 0.5-11 g/dl. Bete 0.5-11 g/dl. Bete 0.5-13 g/dl. Bete 0.5-13 g/dl. Sugative is Normal Normocitive is Normal Vocanitive is Normal	N/A   N/A	Package insert  BisPlea2300 MMRV IgG  Procodure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4_202011  Package insert  estbook	N/A	N/A. Negative / Positive  Negative / Positive  6.3-166,000.0  11.1 = 21.2048  11.1 = 21.2048  2.1-3,000.0  Negative / Positive
Chemiluminoscut Immunoscut John   Chemiluminoscut John   Chemilumino	Monocloud Prot Immun, Serum Munps IgG Ab, Immune Status Mychoperoxidase Antibodies  Protein Electrophoresis  Priti Intact  Quant. Cryptococcus Antigen, Blood Quant RFR. Rosponse Iz a Iberany Ouly Quantitative RFR  Renin  Rhosomal P Antibody  RFR. Raby  Rubcola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Serven Sm Autibody SikPA Antibody SikPA Antibody SikPA Antibody SikPA Antibody Syshilis Ab wikeflex RPR	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  Renin, Direct  RIBOPT Rapid Plasma Reagin RUBOIB  SHBG  Sikkie Hemoglobin Solubility Smith Antibody N/A  SSA Antibody SSPA hills [Sci JigM Antibody with Riches RPR	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sandwich  Two-site sandwich  Two-site sandwich  Immunossay  Multiplex flow immunossay  Direct sandwich assay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno-Mycologica Inc. Bioplex 2200 Bioplex 2300 B	N/A	Negative is Normal Positive Negative is Normal Adminit: 3.5-50 gvdl. Adpha 1: 0.2-0.4 gvdl. Adpha 1: 0.2-0.4 gvdl. Adpha 2: 0.5-1.0 gvdl. Bete 0.5-1.1 gvdl. Bete 0.5-1.1 gvdl. Bete 0.5-1.1 gvdl. Camman. 0.6-1.5 gvdl. Nogative is Normal Normoccitive is Normal Vision 1: Vision	N/A   N/A	Package insert  BisPlea2300 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert  estbook  Package insert	N/A	N/A Negative / Positive N/A  6.3-160,000.0 1:1-2:12088 1:1-2:12088 1:1-2:12088 1:1-2:12088 1:1-2:12088 2.1-3,000.0 Negative / Positive
Urine Immunofixation, Random  Monoclonal Prot Immft, Urine Random  Variedla IgG Ab (Immune Status)  VZISB  Multiplex flow immunossay  Cis-Hirdroxy, Tealth  Vitamin D  (LS- Dilydroxy Vitamin D  (LS- Di	Monocloud Prot Immun, Serum Munps IgG Ab, Immune Status Mychoperoxidase Antibodies  Protein Electrophoresis  Priti Intact  Quant. Cryptococcus Antigen, Blood Quant RFR. Rosponse Iz a Iberany Ouly Quantitative RFR  Renin  Rhosomal P Antibody  RFR. Raby  Rubeda Inmune Status IgG Antibody  Rubeda Information Status IgG Antibody  Sex Hormone Binding Globulin  Sickle Cell Serven Sm Autibody SikM-Antibody SikM-Antibody SikM-Antibody SikM-Antibody SikM-Antibody Syphilis Ab wReflex RPR	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  Renin, Direct  RIBOPT Rapid Plasma Reagin RUBOIB  SHBG  Sikkie Hemoglobin Solubility Smith Antibody N/A  SSA Antibody SSPA hills [Sci JigM Antibody with Riches RPR	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  immunossay  Multiplex flow immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay	Capillarva 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno-Mycologica Inc. Bioplex 2200 Bioplex 2300 B	N/A	Negative is Normal Positive Negative is Normal Adminit: 3.5-50 gvdl. Adpha 1: 0.2-0.4 gvdl. Adpha 1: 0.2-0.4 gvdl. Adpha 2: 0.5-1.0 gvdl. Bete 0.5-1.1 gvdl. Bete 0.5-1.1 gvdl. Bete 0.5-1.1 gvdl. Camman. 0.6-1.5 gvdl. Nogative is Normal Normoccitive is Normal Vision 1: Vision	N/A   N/A	Package insert  BisPlea2300 MMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  REV 4, 202011  Package insert  estbook  Package insert	N/A	N/A Negative / Positive N/A  6.3-160,000.0 1:1-2:12088 1:1-2:12088 1:1-2:12088 1:1-2:12088 1:1-2:12088 2.1-3,000.0 Negative / Positive
Varieth Informatication, Kandrul  Random  Rand	Monocloud Prot Immuno, Serum Munps IgG Ab, Immune Status Myeloperoxidase Antihodies  Protein Electrophoresis  PTH Intact Omant Cryptococcus Aufgen, Blood Omant RPR, Resonus In Therapy Only Omant RPR, Resonus In Therapy Only Omant RPR, Resonus In Therapy Only Renin  Renin  Ribosomal P Antibody RVR RVP Authody RVP Authody Rubeda Immune Status IgG Authody Rubeda Ing Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Screen Sin Authody Sun RNP Authody Sys Bla Authody Sys Bla Authody Sys Pla Introduction Immunoglobalia	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy N/A  RPR, Therapy RRPR, Therapy RRPR ROPT RRPT Rend Plesson Reagin RUBAB  RUBAB  RUBOIB  Sidde Hemoglobin Solubility Smith Audiodv N/A  SSA Audiodv SSA Audiodv Syphilis IgG/igM Audiody with Refex RPR TSI	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophorosis  Two-sic sandwich immunossay  Letari Flow Assay  Multiplex flow immunossay  Multip	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarye 2  Seemens Atellica IM Immunos Mycologies Inc. Bioplex 2200 Siemens Medical Miles Applex 200 Bioplex 200 Siemens Atellica IM 1 & 2 Siemens Meminifer 2000 XFi	N/A	Negative is Normal Positive Negative is Normal Advantage 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.2 g/dL Bete 0.5-1.3 g/dL Bete 0.5-1.5 g/dL Be	N/A   N/A	Package insert  BePeca200 AMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  REV 4, 2000 11  Package Insert  estbook  Package insert  estbook  Package insert	N/A	N/A. Negative / Positive Negative / Positive Negative / Positive Negative / Positive N/A  6.3-160,000.0 11-3-21.2048 11-21.2048 11-21.2048 2.1-3,000.0 Negative / Positive
Varietia Ig Ah (Immune Status)   VZISB   Multiplet flow immunossay   Bioplet 2200   N/A   Positive in Normal   N/A   BioPlet 2200 MNRV IgG   Procedure March 2010   N/A   Negative / Positive in Normal   N/A   BioPlet 2200 MNRV IgG   N/A   Negative / Positive in Normal   N/A   Procedure March 2010   N/A	Monocloud Prot Immuno, Serum Munps IgG Ab, Immune Status Myeloperoxidase Antihodies  Protein Electrophoresis  PTH Intact Omant Cryptococcus Aufgen, Blood Omant RPR, Resonus In Therapy Only Omant RPR, Resonus In Therapy Only Omant RPR, Resonus In Therapy Only Renin  Renin  Ribosomal P Antibody RVR RVP Authody RVP Authody Rubeda Immune Status IgG Authody Rubeda Ing Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Screen Sin Authody Sun RNP Authody Sys Bla Authody Sys Bla Authody Sys Pla Introduction Immunoglobalia	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  Renin, Direct  RIBOPT Rapid Plasma Reagan RUBOIB  Sidde Hemoglobin Solubility Smith Antibody N/A  SSA Antibody SSP Antibody with Riches RC  TSI  TOXOG	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophorosis  Two-sic sandwich immunossay  Letari Flow Assay  Multiplex flow immunossay  Multip	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarye 2  Seemens Atellica IM Immunos Mycologies Inc. Bioplex 2200 Siemens Medical Miles Applex 200 Bioplex 200 Siemens Atellica IM 1 & 2 Siemens Meminifer 2000 XFi	N/A	Negative is Normal Positive Negative is Normal Advantage 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.2 g/dL Bete 0.5-1.3 g/dL Bete 0.5-1.5 g/dL Be	N/A   N/A	Package insert  BePeca200 AMRV IgG  Procedure March 2010  Instructions for use manual  Package Insert  Atellian product insert (PTH)  REV 4, 2000 11  Package Insert  estbook  Package insert  estbook  Package insert	N/A	N/A Negative Positive Negative Positive Negative Positive Negative Positive Negative Positive No. 11 - 21.2048 11 - 21.2048 2.1-3,000.0 Negative Positive
Vitamin D   Vitamin D   Vitamin D, Total   Chemunoussay   Dissorin Linison XL SF 2   ngimL   30.0-100.0   N/A   Dissorin   4.0-150.0   4.0-150.0	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Quant Cryptococcus Antigen, Blood  Quant RPR, Response To Therapy Only  Quantifactive RPR  Renin  Ribacomal P Antibody  RNP Antibody  RNP Antibody  RPR - Baby  Rubedla Immune Status IgG Antibody  Rubedla Immune Status IgG Antibody  Set Hormone Binding Globulia  Sickle Cell Screen  Sm. Antibody  S. M. Antibody  R. M. Antibody  S. M. Antib	Random Serum Monoclosal Protein Mumps Ab, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A RPR, Thorapy N/A  Renin, Direct  RIBOPT RENPT ROPT ROPT ROPT ROPT ROBE STANDAM  RUBOIB  SHBG  SHBG  SKike Hemoglobin Solubility Smith Antibody N/A SSA Aufbody SSPA Aufbody Syphilis IgG (Sap Aufbody with RESS Authody Syphilis IgC (Sap Aufbody with ROSS) TOXOG	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophorosis  Two-site sandwich immunossay  Lateri Flow Assay  Multiplex flow immunossay  Direct sandwich assay  Direct sandwich assay  Chemiluminescent Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Atellica IM Immuno Mycologies Inc. Bioplex 2200 Siemens Mycologies Inc. Sekl-Screeniff Siekling Hemodoloin Screening Kit Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Arellica IM I & 2 Sciemens Immulite 2000 XF; SF Atellica IM I	N/A	Negative is Normal Positive Negative is Normal Adhumin: 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bette 0.5-1.0 g/dL Normacitive is Normal Normacitive is Normal Normacitive is Normal Normacitive is Normal Positive Positive Positive Male: 10-57 Fernale (non-pregnant): 18-14-44 Negative is Normal	N/A   N/A	Package insert	N/A	N/A Negative / Positive N/A  6.3-160,000.0 11.1 - 21.2048 11.1 - 21.2048 11.1 - 21.2048 11.1 - 21.2048 11.1 - 21.2048 2.1-3,000.0 Negative / Positive
CS-Higherwy, Totals    Valuation 1, 1920   Chemilaminescent   Passon 1, 250 Baydrowy Vitamin D   L25 Dilydrowy Vitamin D	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Quant Cryptoescen Antigen, Blood  Quant RPR, Resonns, In Theray Only  Quant RPR, Resonns, In Theray Only  Quantitative RPR  Renin  Rhosomal P Autibody  RVP Autibody  RVP Autibody  RVP Autibody  RWP Autibody  Rubedla Immune Status IgG Antibody  Rubedla Immune Status IgG Antibody  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody  SmRNA Autibody  S.S.RA Autibody  S.RA Autibody  S.S.RA Autibody  Autibody  Autibody  Rubedia S.R.R. Autibody  Rubedia S.R.R. Autibody  Rubedia S.R.R. Autibody  S.RA Autibody  S.RA Autibody  S.RA Autibody  Rubedia S.R.R. Autibody  Rubedia S.R.R. Autibody	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy NA  NA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy SA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy Therapy SA  REPR, Therapy NA  NA  NA  NA  REPR, Therapy SA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy REPR, Therapy SEA  SEA  Anthody SSA  Anthody SSA  SSB Anthody SSB Anthody SSB TSI  TSI  TOXOG  Monoclonal Prot Immfx, Urine Randon	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophorosis  Two-site sandwich  immunossay  Lateral Flow Assay  Multiplex flow immunossay  Direct sandwich assay  Chemiluminescent Immunossay  Electrophoresis	Capillurve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillurys 2  Siemens Atellica IM Immuno-Mycologica Imm	N/A	Negative is Normal Positive Negative is Normal Advantage 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bette 0.5-1.1 g/dL Bette 0.5-1.0 g/dL Bette 0.5-	N/A   N/A	Package insert  Package insert  Artellica product insert (PTH) REV 4, 20011  Package insert  estbook  Package insert  Package insert  Package insert  Package insert  Package insert	N/A	N/A Negative Positive Negative Positive Negative Positive Negative Positive Negative Positive No. 11 - 21.2048 11 - 21.2048 11 - 21.2048 2.1-3,000.0 Negative Positive
Vizumin D. (1.25 Dihydroxy) Vizumin D (Modified 3 step sandwich chemiluminosessor) Dissorin Linion XL SF 2 pg/mL 20.0-79.0 N/A Package Insert 5.0-180.0 5.0-540.0  1.P19Q (Giloma) FISH I p <sup>1</sup> / <sub>1</sub> / <sub>2</sub> - FISH Fluorescent In Situ Hybridzation Bioview N/A	Monocloual Prot Immuno, Serum Munps IgC Ab, Immune Status Myeloperoxidase Antibodies  Protein Electrophoresis  Protein Electrophoresis  Prili Intact  Quant Cryptococcus Antigen, Blood Quant RFR, Rosponse Ic I Derany Only Obasidistive RFR  Renin  Rhosomal P Antibody RFR RP Antibody RFR Rubela Immune Status IgC Antibody Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Serven Sm Antibody SmRPR Antibody SS-MRO Antibody Urine Immunofixation, Random Varicella IgG Ab (Immune Status)	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy NA  NA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy SA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy Therapy SA  REPR, Therapy NA  NA  NA  NA  REPR, Therapy SA  REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy RAND REPR, Therapy REPR, Therapy SEA  SEA  Anthody SSA  Anthody SSA  SSB Anthody SSB Anthody SSB TSI  TSI  TOXOG  Monoclonal Prot Immfx, Urine Randon	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  immunossay  Latener Flow Assay  Multiplex flow immunossay  Sold phase, two-site chemiliminescent immunometric assay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Chemiliminescent flomunossay  Direct sandwich flower  Chemiliminescent fmunuossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis	Capillurve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillurys 2  Siemens Atellica IM Immuno-Mycologica Imm	N/A	Negative is Normal Positive Negative is Normal Advantage 3.5-5.0 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 1: 0.2-0.4 g/dL Adpha 2: 0.5-1.0 g/dL Bette 0.5-1.1 g/dL Bette 0.5-1.0 g/dL Bette 0.5-	N/A   N/A	Package insert  Package insert  Artellica product insert (PTH) REV 4, 20011  Package insert  estbook  Package insert  Package insert  Package insert  Package insert  Package insert	N/A	N/A Negative Positive Negative Positive Negative Positive Negative Positive Negative Positive No. 11 - 21.2048 11 - 21.2048 11 - 21.2048 2.1-3,000.0 Negative Positive
(1,25 Dilydrox)	Monocloual Prot Immuno, Serum  Munps IgC Ah, Immune Status  Myeloperoxidase Antibodies  Protein Eketrophoresis  Protein Eketrophoresis  Prili Intact  Quant. Creptococcus Autien. Blood  Quant RPR. Respons. In Therary Only  Quant RPR. Respons. In Therary Only  Quant RPR. Respons. In Therary Only  Renin  Renin  Renin  Renin  Renin  Ribuscomal P. Autibody  RNP Autibody  RPR Baby  Rubella Immune Status IgG Antibody  Rubeola IgG Ab (Immune Status)  Sex Hormone Binding Globulin  Sickle Cell Screen  Sin Autibody  Sin RNP Autibody  SS. RIC Autibody  Autibo	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  RPR, Thorapy N/A  RIBOPT RIBOPT RIPT Rend Plenna Ressin RUBAB  RUBAB  RUBOIB  Sidde Hemoglobin Solubility Smith Antibody N/A  SSA Antibody SSA Antibody SSA Antibody SSA Antibody SSA Antibody SSA Antibody TSI  TOXOG  Monoclosal Prot Immfs, Urine-Random VZISB	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex humuno-Flow Assay  Multiplex humuno-Flow Assay  Electrophoresis  Two-site sandwich immunossay  Letteri Flow Assay  Multiplex flow immunossay  Direct sandwich assay  Chemiluminescent Immunossay  Estrophoresis  Multiplex flow immunossay  Estrophoresis  Multiplex flow immunossay  Immunossay  Immunossay  Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno Mycologies Inc. Bioplex 2200 Siemens Melica IM 1 & 2 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2300 Biopl	N/A	Negative is Normal Positive Negative is Normal Adamsite 3.5-50 g/dL Adapha 1. 0.2-0.4 g/dL Adapha 1. 0.2-0.4 g/dL Adapha 2. 0.5-1.0 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.2 g/dL Bete 0.5-1.3 g/dL B	N/A   N/A	Package insert  Bell'ec.220 MMEV IgG  Procodure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  Package Insert  Atellica product insert (PTH)  Package Insert  estbook  Package insert  Package insert testbook  Package insert	N/A	N/A Negative / Positive  Negative / Positive  Negative / Positive  Negative / Positive  No. 11 - 21.2048  1.1 - 21.2048  2.1 - 3,000.0  Negative / Positive  1.1 - 21.2048  2.1 - 3,000.0  Negative / Positive
IP19Q (Giloma) FISH  Ip 19q - FISH  Fluorescent In Situ Hybridzenton  Bioview  N/A  Negative for deletion  N/A  Negative for deletion  N/A  N/A  In loss, FISH: Detected, Not Induction  Detected, Not Induction  In loss, FISH: Detected, Not Induction  Detected, Not Induction  Detected, Not Induction  Detected, Not Induction  Detected, Not Detected, Not Induction  Detected, Not De	Monocloual Prot Immuno, Serum Munps IgC Ab, Immune Status Myeloperoxidase Antibodies  Protein Electrophoresis  PTH Intact Omant. Cryptococcan Antigen. Blood Quant RPR, Response To Therapy Only Omantitative RPR  Renin  Renin  Rhosomal P Antibody RPR Assponse To Therapy Only Onantitative RPR  Renin  Rhosomal P Antibody RPR Antibody RPR Antibody RPR Antibody RPR Baby Robella Immune Status IgC Antibody Robella Immune Status IgC Antibody Sex Hormone Einding Globulin  Sickle Cell Screen San Antibody San RNP Antibody Urine Immunofication, Random Varicella IgC Antibody Urine Immunofication, Random Varicella IgC Antibunio D (24-Hydroxy, Total)	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Thorapy N/A  RPR, Thorapy N/A  RIBOPT RIBOPT RIPT Rend Plenna Ressin RUBAB  RUBAB  RUBOIB  Sidde Hemoglobin Solubility Smith Antibody N/A  SSA Antibody SSA Antibody SSA Antibody SSA Antibody SSA Antibody SSA Antibody TSI  TOXOG  Monoclosal Prot Immfs, Urine-Random VZISB	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  ammunossay  Laterd Flow Assay  Multiplex flow immunossay  Direct sandwich assay  Direct sandwich assay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Immunos	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Atellica IM Immuno Mycologies Inc. Bioplex 2200 Siemens Melica IM 1 & 2 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2300 Biopl	N/A	Negative is Normal Positive Negative is Normal Adamsite 3.5-50 g/dL Adapha 1. 0.2-0.4 g/dL Adapha 1. 0.2-0.4 g/dL Adapha 2. 0.5-1.0 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.1 g/dL Bete 0.5-1.2 g/dL Bete 0.5-1.3 g/dL B	N/A   N/A	Package insert  Bell'ec.220 MMEV IgG  Procodure March 2010  Instructions for use manual  Package Insert  Atellica product insert (PTH)  Package Insert  Atellica product insert (PTH)  Package Insert  estbook  Package insert  Package insert testbook  Package insert	N/A	N/A Negative / Positive  Negative / Positive  Negative / Positive  Negative / Positive  No. 11 - 21.2048  1.1 - 21.2048  2.1 - 3,000.0  Negative / Positive  1.1 - 21.2048  2.1 - 3,000.0  Negative / Positive
1P19Q (Giloma) FISH  1p/19q - FISH  Fluorescent In Situ Hybridzation  Bioview N/A  Negative for deletion N/A  Negative for deletion N/A  N/A  N/A  Detected, Not Indicated, Indeterminate Indeterminat	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Ount, Cryptosecus Autigen, Blood  Ount PER, Regons To Therapy Only  Ountitative RPR  Renin  Renin  Rhosomul P Antibody  RPR  RPR  RPR  RPR  RPR  RPR  Relial Immune Status IgG Autibody  Robella Immune Status IgG Autibody  Sex Hormone Binding Globulin  Sickle Cell Serven  Sm Autibody  Sh.RAC Autibody  Urine Immunofixation, Random  Varicella IgG Ab (Immune Status)  Vitamia D  (25-Hydroxy, Tetal)  Vitamia D  (25-Hydroxy, Tetal)	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy NA  Renin, Direct  RIBOPT RRHOT RANT RANT ROBIN RUBAB  RUBAB  RUBAB  Siéde Hemoglobin Solubility Sirk Anthody SSA Anthody SSA Anthody SSB Anthody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sendwich immunossay  Letteri Flow Assay  Multiplex flow immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis  Multiplex flow immunossay  Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Siemens Seeding Sieding Hemodelschin Servening Kri Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Dissorin Linison XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adharmin 3.5-5.0 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 2: 0.5-1.0 g/dL Bette 0.5-1.1 g/dL Bette 0.5-1.0 g/dL Bette 0.	N/A   N/A	Package insert  BePackage insert  BePackage insert  Artilica product insert (PTH)  BEV 4, 200011  Package insert	N/A	N/A Negative Positive Negative Positive Negative Positive Negative Positive Negative Positive Negative Positive 11 - 21.2048 12 - 3.000.0  Negative Positive
1P19Q (Glioma) F1SH  1p/19q - F1SH  Fluorescent In Situ Hybridzanion  Bioview N/A  Negative for deletion N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Ount, Cryptosecus Autigen, Blood  Ount PER, Regons To Therapy Only  Ountitative RPR  Renin  Renin  Rhosomul P Antibody  RPR  RPR  RPR  RPR  RPR  RPR  Relial Immune Status IgG Autibody  Robella Immune Status IgG Autibody  Sex Hormone Binding Globulin  Sickle Cell Serven  Sm Autibody  Sh.RAC Autibody  Urine Immunofixation, Random  Varicella IgG Ab (Immune Status)  Vitamia D  (25-Hydroxy, Tetal)  Vitamia D  (25-Hydroxy, Tetal)	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy NA  Renin, Direct  RIBOPT RRHOT RANT RANT ROBIN RUBAB  RUBAB  RUBAB  Siéde Hemoglobin Solubility Sirk Anthody SSA Anthody SSA Anthody SSB Anthody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sendwich immunossay  Letteri Flow Assay  Multiplex flow immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis  Multiplex flow immunossay  Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Siemens Seeding Sieding Hemodelschin Servening Kri Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Dissorin Linison XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adharmin 3.5-5.0 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 2: 0.5-1.0 g/dL Bette 0.5-1.1 g/dL Bette 0.5-1.0 g/dL Bette 0.	N/A   N/A	Package insert  BePackage insert  BePackage insert  Artilica product insert (PTH)  BEV 4, 200011  Package insert	N/A	N/A. Negative / Positive  Negative / Positive  Negative / Positive  Negative / Positive  N/A  6.3-166,000.0  11 - 21,2560  11 - 21,2048  11 - 21,2048  2.1-3,000.0  Negative / Positive
1P19Q (Ghoma) P1SH	Monocland Prot Immuno, Serum  Mumps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Eketrophoresis  PTH Intact  Ount, Cryptosecus Autigen, Blood  Ount PER, Regons To Therapy Only  Ountitative RPR  Renin  Renin  Rhosomul P Antibody  RPR  RPR  RPR  RPR  RPR  RPR  Relial Immune Status IgG Autibody  Robella Immune Status IgG Autibody  Sex Hormone Binding Globulin  Sickle Cell Serven  Sm Autibody  Sh.RAC Autibody  Urine Immunofixation, Random  Varicella IgG Ab (Immune Status)  Vitamia D  (25-Hydroxy, Tetal)  Vitamia D  (25-Hydroxy, Tetal)	Random Serum Monoclosal Protein Mumps Ah, IgG  N/A  N/A  Serum Electrophoresis  IPTH N/A  RPR, Therapy NA  Renin, Direct  RIBOPT RRHOT RANT RANT ROBIN RUBAB  RUBAB  RUBAB  Siéde Hemoglobin Solubility Sirk Anthody SSA Anthody SSA Anthody SSB Anthody	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophoresis  Two-site sendwich immunossay  Letteri Flow Assay  Multiplex flow immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis  Multiplex flow immunossay  Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay  Electrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay	Capillarve 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Atellica IM Immuno-Mycologies Inc. Bioplex 2200 Siemens Seeding Sieding Hemodelschin Servening Kri Bioplex 2200 Bioplex 2200 Bioplex 2200 Siemens Immulite 2000 XFi SF Atellica IM 1 & 2 Bioplex 2200 Dissorin Linison XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adharmin 3.5-5.0 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 1: 0.2-0.4 g/dL Adhaba 2: 0.5-1.0 g/dL Bette 0.5-1.1 g/dL Bette 0.5-1.0 g/dL Bette 0.	N/A   N/A	Package insert  BePackage insert  BePackage insert  Artilica product insert (PTH)  BEV 4, 200011  Package insert	N/A	N/A Negative / Positive  6.3-160,000.0  1.1 - 21,2548  1.1 - 21,2548  1.1 - 21,2548  1.1 - 21,2548  2.1-3,000.0  Negative / Positive 1.1 - 21,2048  1.2 - 21,2048  1.3 - 21,2048  Negative / Positive Negative / Positive Negative / Positive 1.2 - 21,2048  Negative / Positive / Negative / Positive Negative / Positive / Negative / Negative / Positive / Negative
194 (BOL) LEADY Detected, NOT	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Ounar, Cryptoexcens Antigen, Blood  Ounar RPR, Regnons To Therary Only  Ounar RPR, Regnons To Therary Only  Ounartistive RPPR  Renin  Renin  Ribosomal P Antibody  RPP, Antibody  RPPR, Habry  Rubella Immune Status JGG Autibody  Robella Immune Status JGG Autibody  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody  SS-RRO Antibody  Virania D  (25-Hvdrovs, Tatal)  Virania D  (1.25 Dilydrovy)	Random Serum Monoclosal Protein Mumps Ah, IgG N/A N/A N/A Serum Electrophoresis IPTH N/A RPR, Therapy N/A Renin, Direct RIBOPT RNFT RNFT RNFT RNFT RNFT RNBA RUBOIB SHBG Sidde Hermoglobin Solubility Smith Antibody Smith Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody TSI TOXOG Monoclonal Prot Inumfx, Urine- Random VZISB Vitamin D, Total 1,25 Dibydroxy Vitamin D	Capillary Electrophorosis  Multiplex flow immunossay  Multiplex Immuno-Flow Assay  Multiplex Immuno-Flow Assay  Electrophorosis  Two-site sandwich immunossay  Letterl Flow Assay  Multiplex flow immunossay  Chemiluminescent Immunossay  Estrophoresis  Multiplex flow immunossay  Chemiluminescent Immunossay	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologica Inc. Bioplex 2200 Siemens Arelica IM I & 2 Siedel 200 Bioplex 200 Distorin Lision XL SF 2 Dissorin Lision XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adminit Bets 0-5-1-1 gidl. Bets 0-5-1-1 gidl. Camman 0-6-1-5 gidl. Bets 4-1-4-7-2.0 Negative is Normal Norrecetive is Normal Lerinite Adminit Norrecetive is Normal 30.0-100.0	N/A   N/A	Package Insert  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert	N/A	N/A Negative / Positive Negative / Positive Negative / Positive Negative / Positive N/A  6.3-160,000.0 13-3-2508 13-3-2508 11-3-2508 11-3-2048 21-3,000.0  Negative / Positive
Indicated, Indeterminate	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Ounar, Cryptoexcens Antigen, Blood  Ounar RPR, Regnons To Therary Only  Ounar RPR, Regnons To Therary Only  Ounartistive RPPR  Renin  Renin  Ribosomal P Antibody  RPP, Antibody  RPPR, Habry  Rubella Immune Status JGG Autibody  Robella Immune Status JGG Autibody  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody  SS-RRO Antibody  Virania D  (25-Hvdrovs, Tatal)  Virania D  (1.25 Dilydrovy)	Random Serum Monoclosal Protein Mumps Ah, IgG N/A N/A N/A Serum Electrophoresis IPTH N/A RPR, Therapy N/A Renin, Direct RIBOPT RNFT RNFT RNFT RNFT RNFT RNBA RUBOIB SHBG Sidde Hermoglobin Solubility Smith Antibody Smith Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody TSI TOXOG Monoclonal Prot Inumfx, Urine- Random VZISB Vitamin D, Total 1,25 Dibydroxy Vitamin D	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  immunossay  Latener Flow Assay  Multiplex flow immunossay  Solid plause, two-site chemiliumisecent immunometric assay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Chemiliumisecent Immunossay  Direct sandwich based  Chemiliumisecent Immunossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis  Multiplex flow immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Fluorescent In Situ	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologica Inc. Bioplex 2200 Siemens Arelica IM I & 2 Siedel 200 Bioplex 200 Distorin Lision XL SF 2 Dissorin Lision XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adminit Bets 0-5-1-1 gidl. Bets 0-5-1-1 gidl. Camman 0-6-1-5 gidl. Bets 4-1-4-7-2.0 Negative is Normal Norrecetive is Normal Lerinite Adminit Norrecetive is Normal 30.0-100.0	N/A   N/A	Package Insert  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert	N/A	N/A. Negative / Positive  6.3-160,000.0  1.1 - 21,2048  1.1 - 21,2048  2.1 - 3,000.0  1.1 - 21,2048  2.1 - 3,000.0  Negative / Positive / Negative / Negative / Positive / Negative / Positive / Negative / Positive / Negative / Negative / Positive / Negative /
	Monocland Prot Immuno, Serum  Munps IgG Ab, Immune Status  Myelaperoxidase Antibodies  Protein Electrophoresis  PTH Intact  Ounar, Cryptoexcens Antigen, Blood  Ounar RPR, Regnons To Therary Only  Ounar RPR, Regnons To Therary Only  Ounartistive RPPR  Renin  Renin  Ribosomal P Antibody  RPP, Antibody  RPPR, Habry  Rubella Immune Status JGG Autibody  Robella Immune Status JGG Autibody  Sex Hormone Binding Globulin  Sickle Cell Screen  Sm Antibody  SS-RRO Antibody  Virania D  (25-Hvdrovs, Tatal)  Virania D  (1.25 Dilydrovy)	Random Serum Monoclosal Protein Mumps Ah, IgG N/A N/A N/A Serum Electrophoresis IPTH N/A RPR, Therapy N/A Renin, Direct RIBOPT RNFT RNFT RNFT RNFT RNFT RNBA RUBOIB SHBG Sidde Hermoglobin Solubility Smith Antibody Smith Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody SSB Antibody TSI TOXOG Monoclonal Prot Inumfx, Urine- Random VZISB Vitamin D, Total 1,25 Dibydroxy Vitamin D	Capillary Electrophoresis  Multiplex flow immunossay  Multiplex ImmunoFlow Assay  Multiplex ImmunoFlow Assay  Electrophoresis  Two-site sandwich  immunossay  Latener Flow Assay  Multiplex flow immunossay  Solid plause, two-site chemiliumisecent immunometric assay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Multiplex flow immunossay  Chemiliumisecent Immunossay  Direct sandwich based  Chemiliumisecent Immunossay  Electrophoresis  Multiplex flow immunossay  Electrophoresis  Multiplex flow immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Chemiliuminescent Immunossay  Fluorescent In Situ	Capillarys 2 Bioplex 2200 Bioplex 2200 Bioplex 2200 Bioplex 2200 Capillarys 2  Siemens Arelica IM Immuno-Mycologica Inc. Bioplex 2200 Siemens Arelica IM I & 2 Siedel 200 Bioplex 200 Distorin Lision XL SF 2 Dissorin Lision XL SF 2	N/A	Negative is Normal Positive Negative is Normal Adminit Bets 0-5-1-1 gidl. Bets 0-5-1-1 gidl. Camman 0-6-1-5 gidl. Bets 4-1-4-7-2.0 Negative is Normal Norrecetive is Normal Lerinite Adminit Norrecetive is Normal 30.0-100.0	N/A   N/A	Package Insert  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert  Atellica product insert (PTH) REV 4, 200011  Package Insert	N/A	N/A Negative / Positive  6.3-160,000.0  1.1 - 21,2048  1.1 - 21,2048  1.1 - 21,2048  1.1 - 21,2048  1.1 - 21,2048  2.1-3,000.0  Negative / Positive 1.1 - 21,2048  1.1 - 21,2048  1.1 - 21,2048  1.1 - 21,2048  Negative / Positive Negative / Positive Negative / Positive 1.1 - 21,2048  Negative / Positive

FISH, 3p (tumor), Sign-out	3p/3q - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for deletion	N/A	N/A	N/A	Chr 3p loss: Detected, Not Detected,
ALK Rearrangement	ALK - FISH	Fluorescent In Situ	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	Not Indicated, Indeterminate positive/negative for breakapart
BCL2 FISH	BCL2 - FISH	Hybridization Fluorescent In Situ	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
BCL6 FISH	BCL6 - FISH	Hybridization Fluorescent In Situ	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
ACE Genotyping	ACEGP	Hybridization  Fluorescent Capillary Fragment analysis, restriction fragment length polymorphism	Applied Biosystems GeneAmp PCR system + Genetic Analyzer	N/A	rearrangement  Negative; I/I Genotype; I/D Genotype; D/D Genotype	N/A	Gene Reviews	N/A	rearrangement  Negative; I/I Genotype; I/D Genotype; D/D Genotype
		angui porymorphism			P190 transcript: Not Detected				
BCR/ABL, T(9;22), QUANT	BCRSCR, BCR-ABL, 1(9;22), CML	Real Time PCR	7500 Fast Dx	% BCR-ABLI/ABLI	P210 transcript: Not Detected BCR-ABL1/ABL1 %:	N/A	N/A	0.000-100.000	0.000-100.000
Hairy Cell Leukemia BRAF V600 Mutation	B-RAF, BRAF V600E	Pyrosequencing	Applied Biosystems GeneAmp PCR System +-Qiagen	N/A	0.000 Not detected	N/A	N/A	N/A	BRAF Mutation: Detected, Not Detected, Not Indicated,
BTK and PLCG2, Comprehensive Mutation Profiling	BTK and PLCG2 Full Sequencing	Next Generation Sequencing	Pyromark Ion Torrent S5	N/A	N/A	N/A	N/A	N/A	Indeterminate N/A
BTK Resistance Mutation	BTKR C481S	Digital droplet PCR	Raindance Technology	% mutant/total events	<100	N/A	Validation	N/A	0.1-100.0
Calr Mutation Analysis, Myeloproliferative Neoplasm MPN	Calreticulin Mutation Detection	Fluorescent fragment analysis, sequence analysis (non-NGS),	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Not detected	N/A	N/A	N/A	CALR mutation detected/not detected
FISH, CCND1 (cyclin D1) Rearrangement,	CCND1 - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
Sign-out  MAML2 Rearrangement	MEC, mucoepidermoid	Fluorescent In Situ	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		Hybridization  Sequence analysis (non-NGS),	Applied Biosystems GeneAmp						CEBPA mutation detected/not
CEBPA Mutation	CEBP alpha, CEBPAa	fluorescent fragment analysis	PCR System + Genetic Analyzer	N/A	Not detected	N/A	N/A	N/A	detected
FISH. DDIT3 (CHOP) Rearrangement	CHOP - FISH, DDIT3 - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
Comprehensive Hematology Panel with Germline Assessment	550+ Gene Panel, Extended NGS Heme Panel	Next Generation Sequencing	Illumina NextSeq	N/A	Negative for pathogenic mutation at the target VAF level	N/A	N/A	N/A	N/A
Comprehensive Tumor Genomic Profile with MSI Status	Large panel NGS, Tumor NGS, TMB, CTPNGS	Next Generation Sequencing	Illumina NextSeq	N/A	N/A	N/A	N/A	N/A	N/A
FISH, MET Amplification, Sign-out	CMET - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for amplification	N/A	N/A	N/A	positive/negative for amplification
Colon Cancer Mutation Panel, Sign-out	COLMOL	Next Generation Sequencing	Ion Torrent S5	N/A	Not detected	N/A	N/A	N/A	mutation(s)detected/not detected
EGFR Mutation Analysis (exons 19 & 21),	Epidermal growth factor receptor, L858R, exon 19, exon	Fluorescent fragment analysis, restriction fragment length	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Not detected	N/A	N/A	N/A	EGFR mutation detected/not detected
Sign-out FISH, EGFR Amplification (glioma), Sign-out	21 EGFR - FISH	polymorphism Fluorescent In Situ	PCR System + Genetic Analyzer  Bioview	N/A	positive/negative for	N/A	N/A	N/A	positive/negative for
EGFR T790M Mutation Analysis		Hybridization	Applied Biosystems GeneAmp		amplification				amplification EGFR T790M mutation
(Resistance), Sign-out	EGFR T790M	DNA sequencing (non-NGS)	PCR System + Genetic Analyzer	N/A	Not detected	N/A	N/A	N/A	detected/not detected
Extended RAS Mutation Panel, Sign-out FISH, EWSRI Rearrangement,	NRAS	Pyrosequencing Fluorescent In Situ	Pyromark	N/A	KRAS, BRAF, NRAS mutations not detected	N/A	N/A	N/A	KRAS, BRAF, NRAS mutations not detected/detected
Sign-out	EWSR1 - FISH	Hybridization	Bioview	N/A	Negative for break apart	N/A	N/A	N/A	positive/negative for break apar
Factor V Mutation FACV Leiden	Leiden, G1691A, R506Q	Fluorecent Capillary Fragment analysis, restriction fragment length polymorphism	Applied Biosystems GeneAmp PCR system + Genetic Analyzer	N/A	Not detected Heterozygous + Homozygous +	N/A	Gene Reviews	N/A	Not detected Heterozygous + Homozygous +
FLT3, ITD & TK Mutation	FLT3 LMPNGS.	PCR and capillary electrophoresis	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Not detected	N/A	N/A	N/A	ITD, TKD mutations Not detected/Detected
Hematologic Neoplasm/Disorder Mutation Panel	MYLNGS, MYLNGS, T-cell mutation, T-LGL mutation, CLL mutation panel	Next Generation Sequencing	LifeTech S5	N/A	N/A	N/A	N/A	0.5% VAF	0.5-100.0% VAF
Hereditary Hemochromatosis, (Gene Analysis, Common Variants)	HFE, C282Y, H63D, Iron Overload Disease	PCR	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	N/A	N/A	N/A	N/A	N/A
FISH, HER2, Sign-out	HER-2, HER2/neu, neu	Fluorescent In Situ Hybridization	Bioview	N/A	N/A	N/A	N/A	N/A	N/A
Huntington's Disease	Huntington chorea, HTT Gene	Polymerase chain reaction, fluorescent capillary fragment analysis	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Normal Allele; Normal Mutable Allele; HD Allele with reduced penetrance; HD Allele with full penetrance	N/A	Gene Reviews	N/A	Normal Allele; Normal Mutable Allele; HD Allele with reduced penetrance; HD Allele with full penetrance
IDH1 and IDH2 Mutations	IDH1	Pyrosequencing	Applied Biosystems GeneAmp PCR System + Qiagen Pyromark	N/A	IDH1 and IDH2 mutation not detected	N/A	Normal controls	N/A	detected/not detected
B Cell Gene Rearrangement	IGH gene rearrangement, B cell Clonality, IgH PCR	Polymerase Chain Reaction	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Negative	N/A	N/A	N/A	positive/negative for clonal IGF gene rearrangement
IGVH Mutation Analysis	IGH mut sequencing, IGVH, Ig mutation analysis, CLL IGVH	Clonal amplification, fluorescent fragment analysis, sequence analysis (non-NGS)	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	N/A	N/A	N/A	N/A	mutated/unmutated
JAK2 V617 Mutation Detection	JAK	Pyrosequencing	Applied Biosystems GeneAmp PCR System + Genetic Analyzer Qiagen Pyromark	N/A	Not detected	N/A	N/A	N/A	JAK2 V617 not detected, detected (1-100%)
Extended RAS Mutation Panel, Data Entry	K-RAS, Ki-RAS	Pyrosequencing	Applied Biosystems GeneAmp PCR System + Genetic Analyzer Qiagen Pyromark	N/A	Not detected	N/A	N/A	N/A	KRAS mutation detected/not detected
Lung Cancer Mutation Panel	PULMOL	Next Generation Sequencing	Ion Torrent S5	N/A	No pathogenic mutations detected	N/A	N/A	N/A	mutation(s)detected/not detected
FISH, MALT1 Rearrangement, Sign-out	MALT1 - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
FISH, MDM2 Amplification, Sign-out	MDM2 - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for amplification
MTHFR (Methylene Tetrahydrofolate Red)	NADPH, 677C>T, MTHFR	PCR-based restriction fragment polymorphism	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Wild type, Heterozygous, Homozygous	N/A	Gene Reviews	N/A	Wild type, Heterozygous, Homozygous
MGMT Promoter Methylation, Tumor	MGMT1, O6-Metylguanine DNA methyltransferase	Pyrosequencing	PyroMark + Applied Biosystems GeneAmp PCR System	N/A	N/A	N/A	N/A	N/A	promoter hypermethylation absent/present
MLH1 Promoter Methylation	MLH1, Lynch syndrome, HNPCC	Bisulfite modification / Pyrosequencing	Applied Biosystems GeneAmp PCR System + Genetic Analyzer Qiagen Pyromark	N/A	N/A	N/A	N/A	N/A	promoter hypermethylation absent/present
Microsatellite Instability (MSI) Analysis, Tumor	MSI, mismatch repair, HNPCC, non-polyposis colon cancer, MMR, Lynch syndrome	multiplex polymerase chain reaction, fluorescent fragment analysis	Applied Biosystems GeneAmp PCR System + Thermal Cycler, PCR System	N/A	N/A	N/A	N/A	N/A	Microsatellite stable/high microsatellite instability (MSI- H), low/equivocal microsatellite instability (MSI-L)
MYCF FISH	MYC - FISH	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart or extra chromosome 8 signals	N/A	N/A	N/A	positive/negative for breakapart
MYD88 Mutation Analysis, Quant	N/A	ddPCR Polymerase chain reaction,	BioRad Applied Biosystems GeneAmp	% mutant events	0.0 Negative; Premutation; Full	N/A	Validation	0.1	0.1 Negative; Premutation; Full
Myotonic Dystrophy	DMPK Gene	fluorescent capillary fragment analysis	PCR System + Genetic Analyzer	N/A	Mutation	N/A	Gene Reviews	N/A	Mutation
NPMI Mutation Analysis, Quant	nucleophosmin, NPM exon 12 mutation	Allele-specific digital droplet polymerase chain reaction (AS- ddPCR)	Raindance Technology	% mutant/total events	<0.02% or less than 5 (A) or 20 (B,D) mutant events	N/A	Validation	0.02 - 100.00	Detected Result: 0.1-100% mutant/total events percent ratic in a case with a discrete cluster of at least 5 (A) or 20 (B,D) mutant events, Not Detected Result: 0.00% mutant/total events percent ratio after rounding or fewer than 5 (A) or 20 (B,D) mutant events

	I	I	I	I		I			T
NRAS Mutation	NRAS codon 12, 13, 61	Pyrosequencing	Applied Biosystem GeneAmp PCR system + Qiagen Pyromark	N/A	Not detected	N/A	N/A	N/A	NRAS mutation detected/not detected
FISH, NUTM1 Rearrangement	NUT1, Midline Carcinoma	Fluorescent In Situ Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
Oral Rinse Sample (Molecular)	NGS normal, molecular normal, comprehensive genomic panel	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Pancreatic Fluid, Mutation Analysis, Request	cyst fluid mutation analysis	Next Generation Sequencing	Ion GeneStudio	N/A	N/A	N/A	N/A	N/A	2% for hotspot mutations, 4% for other mutations
Prothrombin A20120G Mutation	G20210A, Prothrombin Mutation	Fluorescent capillary fragment analysis, restriction fragment length polymorphism	Applied Biosystems GeneAmp PCR system + Genetic Analyzer	N/A	Wild type, Heterozygous, Homozygous	N/A	Gene Reviews	N/A	Wild type, Heterozygous, Homozygous
PML-RARA, APL, Quant PCR	15:17, PML, APL, retinoic acid	Real-time PCR	ABI Fast 7500	NCN = % PML-RARA/ABL1	N/A	N/A	Blood samples with no history of AML-M3	NCN > 1	0-100
RET Rearrangement	RET FISH - FISH	Fluorescent In Situ Hybridization Fluorescent In Situ	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
ROS1 Rearrangement	ROS1 - FISH  COVID-19 sequencing,	Hybridization	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A 5-10 copies of virus/uL of	positive/negative for breakapart >10 copies of virus/uL of
SARS-CoV-2 Genomic Sequencing	Coronavirus sequencing	Next Generation Sequencing	Ion Torrent S5	N/A	Not detected	N/A	N/A	extracted RNA from positive nasal swab	extracted RNA from positive nasal swab
SMN1/SMN2 DNA Sequencing	Survival of Motor Neuron 1 (SMN1)	PCR, chain-termination sequencing, capillary electrophoresis	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Negative; Mutation Present	N/A	Gene Reviews	N/A	Negative; Mutation Present
Spinal Musc Atrophy Dosage - Carrier Study	SMA Carrier test, SMA compound heterozygote testing, SMN1 gene	Semi-quantitative PCR, fluorescent capillary fragment analysis, restriction fragment length polymorphism	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	1 copy; 2 copy	N/A	Gene Reviews	N/A	1 copy; 2 copy
Spinal Muscular Atrophy - Diagnostic	Werdnig-Hoffman, Kugelberg- Welander, SMN1 gene	Semi-quantitative PCR, fluorescent capillary fragment analysis, restriction fragment length polymorphism	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Negative; Homozygous deletion	N/A	Gene Reviews	N/A	1 copy; 2 copy Negative; Homozygous deletion
Tumor Hotspot Mutation Panel	Solid Tumor Mutation Panel (Cancer Hotspot)	Next Generation Sequencing	Ion Torrent S5	N/A	No pathogenic mutations detected	N/A	N/A	N/A	mutation(s)detected/not detected
FISH, SS18 (SYT1) Rearrangement, Sign-out	SYT-FISH, SS18-FISH	Clonal amplification, fluorescent fragment analysis, multiplex polymerase chain reaction	Bioview	N/A	Negative for breakapart	N/A	N/A	N/A	positive/negative for breakapart
T Cell Receptor Gene Rearrangement	T-cell clonality, TCR beta, T-cell PCR	Polymerase Chain Reaction	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Negative	N/A	N/A	N/A	negative / oligoclonal / clonal TCRB rearrangements
TCRG, PCR	T-cell clonality, TCR gamma, T- cell PCR	Polymerase Chain Reaction	Applied Biosystems GeneAmp PCR System + Genetic Analyzer	N/A	Negative	N/A	N/A	N/A	negative / oligoclonal / clonal TCRG rearrangements
FISH, XY, Sign-out CD1a	XY FISH - FISH Thymocyte	Pyrosequencing Flow Cytometry	Bioview Navios Flow Cytometer	N/A %	Negative for deletion N/A	N/A N/A	N/A N/A	N/A N/A	positive/negative for deletion 0.0-100.0%
7AAD Alpha/Beta	Viability N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
cCD3 cCD79a CD10	T-CELL N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD103 CD107a	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD107b CD117	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD11b CD11c CD123	N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD127 CD13	N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% % %	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD134 CD138	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD14 CD15 CD158b	N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD159a CD16	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD16-/CD56-/CD3-/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	5.2-23% 163-619 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56-/CD3+/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	57.2-82.8% 570-2430 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56-/CD3+/CD117+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56+/CD3-/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.2-1.1% 3-24 ABS/mm <sup>3</sup> 0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56+/CD3-/CD117+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0% 0-0 ABS/mm <sup>3</sup> 0.0-7.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56+/CD3+/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-157 ABS/mm <sup>3</sup> 0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16-/CD56+/CD3+/CD117+  CD16+/CD56-/CD3-/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-0 ABS/mm <sup>3</sup> 0.0-5.2%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16+/CD56-/CD3-/CD117- CD16+/CD56-/CD3+/CD117-	N/A N/A	Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% / ABS % / ABS	0-122 ABS/mm <sup>3</sup> 0.0-1.6%	N/A N/A	OSU Flow Lab established OSU Flow Lab established	N/A N/A	0.0-100.0%
CD16+/CD56-/CD3+/CD117+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-36 ABS/mm <sup>3</sup> 0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16+/CD56+/CD3-/CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-0 ABS/mm <sup>3</sup> 0.0-17.9%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16+/CD56+/CD3-/CD117+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.446 ABS/mm <sup>3</sup> 0.0-0.0% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16+/CD56+/CD3+/ CD117-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-2.1% 0-49 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD16+/CD56+/CD3+/ CD117+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD183 CD19	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD19	N/A	Flow Cytometry	Navios Flow Cytometer	% / absolutes	2.0-21.0% 17-750 ABS/mm <sup>3</sup> 3.6-20.5%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD19+/CD80-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	3.6-20.5% 121-557 ABS/mm <sup>3</sup> 3.2-19.8%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD19+/CD80-/CD86-	N/A	Flow Cytometry	Navios Flow Cytometer  Navios Flow Cytometer	% / ABS	114-534 ABS/mm <sup>3</sup> 0.0-0.4%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD19+/CD80+ CD19+/CD80+/CD86+	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% / ABS	0-11 ABS/mm <sup>3</sup> 0.0-0.0%	N/A N/A	OSU Flow Lab established OSU Flow Lab established	N/A N/A	0.0-100.0%
CD19+/CD86-	N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer  Navios Flow Cytometer	% / ABS	0-0 ABS/mm <sup>3</sup> 2.9-20.7%	N/A N/A	OSU Flow Lab established	N/A N/A	0.0-100.0%
CD19+/CD86+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	113-554 ABS/mm <sup>3</sup> 0.0-0.5%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD193 CD194	CCR3 CCR4	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	0-14 ABS/mm <sup>3</sup> N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD2 CD2	TII	Flow Cytometry	Navios Flow Cytometer	% % / absolutes	N/A 70.0-92.0%	N/A	N/A	N/A	0.0-100.0%
CD2 CD20 CD20	T11 N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer  Navios Flow Cytometer  Navios Flow Cytometer	% / absolutes % % / absolutes	580-3250 ABS/mm <sup>3</sup> N/A 2.0-21.0%	N/A N/A N/A	OSU Flow Lab established  N/A  OSU Flow Lab established	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD22	N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer  Navios Flow Cytometer	%	20-1008 ABS/mm <sup>3</sup> N/A	N/A	N/A	N/A	0.0-100.0%
CD23 CD235 CD24	N/A Glycophorin A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD24 CD25 CD26	N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% % %	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD27 CD28	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD29 CD294	N/A N/A T-CELL	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% % % / absolutes	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD3 CD3	T-CELL	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A 59.0-92.0%	N/A	N/A	N/A	0.0-100.0%
CD3	T-CELL	Flow Cytometry	Navios Flow Cytometer	% / absolutes	490-3284ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%

CD3-/CD5616-/CD314+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.2% 0-6 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616-/CD63+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-2.1% 0-48 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616-/CD69+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.2%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
					0-5 ABS/mm <sup>3</sup> 0.0-0.0%				
CD3-/CD5616+/CD107a107b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-0 ABS/mm <sup>3</sup> 0.0-7.1%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616+/CD158b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-178 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616+/CD159a+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-11.6% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616+/CD159a+/ CD107a107b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616+/CD314+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-14.8% 0-356 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616+/CD63+/	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.2%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD314+ CD3-/CD5616-+/CD69+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-48 ABS/mm <sup>3</sup> 0.0-1.1%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3-/CD5616-+/CD69+/		, ,	Navios Flow Cytometer		0-24ABS/mm <sup>3</sup> 0.0-0.2%				
CD158b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-6 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/AlphaBeta+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	47.3-80.4% 50-2158 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD107a107b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.3% 0-6 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD134+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-4.3% 0-206 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD134+/HLADR+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.1%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD158b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-5 ABS/mm <sup>3</sup> 0.0-4.4%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
					0-89 ABS/mm <sup>3</sup> 0.0-6.8%				
CD3+/CD159a+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-170 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD159a+/CD107a107b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0% 0-0 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD314+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	10.3-36.2% 80-929 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD63+/CD314+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.5% 0-11 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD69+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-2.9%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD69+/CD134+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-50 ABS/mm3 0.0-0.1%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD69+/CD134+/HLADR+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-2 ABS/mm <sup>3</sup> 0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
			Navios Flow Cytometer		0-0 ABS/mm <sup>3</sup> 0.0-0.1%				
CD3+/CD69+/CD158b+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-3 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD69+/HLADR+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.2% 0-4 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD80-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	59.8-86.5% 598-4152 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD80-/CD86-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	59.3-85.8% 593-4118 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD80+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.2%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD80+/CD86+	N/A			% / ABS	0-5 ABS/mm <sup>3</sup> 0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
		Flow Cytometry	Navios Flow Cytometer		0-0 ABS/mm <sup>3</sup> 59.7-86.3%				
CD3+/CD86-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	607-2517 ABS/mm <sup>3</sup> 0.0-0.5%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/CD86+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-10 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/GammaDelta+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-7.3% 0-135 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD3+/HLADR+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-5.6%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD31	N/A	Flow Cytometry	Navios Flow Cytometer	%	0.0-5.6% 0-269 ABS/mm <sup>3</sup> N/A	N/A	N/A	N/A	0.0-100.0%
CD31 CD314 CD33	N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% % %	0.0-5.6% 0-269 ABS/mm³ N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD314 CD33 CD34 CD34 CD34	N/A N/A N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% % % % %	0.0-5.6% 0-269 ABS/mm³ N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD314 CD33 CD34 CD34 CD34 CD38 CD4	N/A N/A N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% % % %	0.0-5.6% 0-269 ABS/mm³ N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD314 CD33 CD34 CD34 CD34 CD38	N/A N/A N/A N/A N/A N/A	Flow Cytometry	Navios Flow Cytometer	% % % % %	0.0-5.6% 0-269 ABS/mm³ N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD314 CD314 CD33 CD34 CD34 CD38 CD4 CD58 CD4 CD4+CD193+CD294+/	N/A	Flow Cytometry	Navios Flow Cytometer	96 96 96 96 96 96	0.0-5.6% 0-269 ABS/mm³ N/A N/A N/A N/A N/A N/A N/A N/A N/A 0.0-0.0% 0-0.05% 0-0.05% 0-0.05%	N/A N/A N/A N/A N/A N/A N/A	N/A	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD314 CD33 CD33 CD34 CD44 CD38 CD4 CD4 CD18 CD4 CD193+CD29+/ CD194+	N/A N/A N/A N/A N/A N/A N/A N/A	Flow Cytometry	Navios Flow Cytometer	% % % % % % % ABS	0.5.5% 0.269 ABS'mm <sup>1</sup> N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A	N/A N/A N/A N/A N/A N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 (CD314 (CD314 (CD32) (CD34 (CD34 (CD38 (CD4 (CD4)-(CD294+/ (CD194+(CD127+ (CD4+(CD183+	N/A	Flow Cytometry	Navios Flow Cytometer	% % % % ABS % / ABS	0.0-5.6% 0.269 ABS/mm <sup>2</sup> N/A	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD31 CD31 CD31 CD3 CD3 CD4 CD4 CD5 CD4 CD4 CD4+(CD127+ CD4+(CD133+ CD4+(CD133+	N/A	Flow Cytometry	Navios Flow Cytometer	% % % % % % % % % % % % % % % % % % %	0.0-5.6% 0.269 ABS/mm² N/A	N/A	N/A	N/A	0.0-100.0% 0.1-100.0% 0.1-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD34 CD34 CD35 CD4 CD4 CD58 CD4 CD4+CD193+CD28+/ CD4+(CD193+ CD193+ CD193+ CD4+(CD193	N/A	Flow Cytometry Plow Cytometry	Navios Flow Cytometer	% % % % % % % % % % % % % % % % % % %	0.0-5.6% 0-269 ABS/mm² N/A	N/A	N/A	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 CD31 CD34 CD35 CD4 CD4 CD58 CD4 CD4+CD193+CD294+/ CD4+(CD127+ CD4+(CD135) CD4+(CD135) CD4+(CD135) CD4+(CD135) CD4+(CD135) CD4+(CD135) CD4+(CD135) CD4+(CD135)+CD135+	N/A	Flow Cytometry	Navios Flow Cytometer	% % % % % % % % % % % % % % % % % % %	0.0-5.6% 0-269 ABS/mm² N/A	N/A	N/A	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
CD31 (CD314 (CD314 (CD32) (CD32) (CD4) (CD32) (CD4) (CD4+(CD127+ (CD4+(CD193+(C	N/A	Flow Cytometry Plow Cytometry	Navios Flow Cytometer	% % % % % % % % % % % % % % % % % % %	0.0-5.6% 0-269 ABS/mm² N/A	N/A	N/A	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
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CD31 CD31 CD31 CD31 CD31 CD32 CD3 CD3 CD3 CD3 CD4 CD4 CD4+CD193+CD294+/ CD4+(CD193+CD294+) CD4+(CD193+CD294+) CD4+(CD193+CD294+) CD4+(CD193+CD294+CD183+ CD4+(CD193+CD294+CD183+ CD4+(CD193+CD294+CD183+ CD4+(CD193+CD294+CD183+ CD4+(CD294+CD183+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD294+CD193+CD19	N/A   N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-5.6% 0.269 ABS/mm² NA	N/A   N/A	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A   N/A	0.0-100.0% 0.1-100.0%

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CD43 CD45	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD45RA CD45RO	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD49a CD5	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD56 CD5616/CD3-	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD5616/CD3-	N/A	Flow Cytometry	Navios Flow Cytometer	% / absolutes	3.0-25.0% 30-1200 ABS/mm <sup>3</sup>	N/A	N/A	N/A	0.0-100.0%
CD57 CD58	N/A N/A	Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD63	N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer	%	N/A	N/A	N/A	N/A	0.0-100.0%
CD64 CD65	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD7 CD71	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD79b CD8	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD8+/CD127+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	6.7-24.6% 55-624 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD127+/CD25-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	6.3-24.3% 50-616 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD25+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.1% 0-1 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD25+/CD127-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-0.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD27+/CD45RA-/CD45RO-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-0 ABS/mm <sup>3</sup> 0.0-0.1%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
					0-1 ABS/mm <sup>3</sup> 0.0-0.1%				
CD8+/CD29+/CD45RA-/CD45RO-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-2 ABS/mm <sup>3</sup> 11.0-40.0%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD3+	T Suppressor	Flow Cytometry Flow Cytometry	Navios Flow Cytometer	%	91-1428 ABS/mm <sup>3</sup> N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0%
CD8+/CD3+ CD8+/CD3+	T Suppressor T Suppressor	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	%/absolutes	11.0-40.0%	N/A N/A	OSU Flow Lab established	N/A N/A	0.0-100.0%
CD8+/CD45RA+	N/A		Navios Flow Cytometer	% / ABS	91-1428 ABS/mm <sup>3</sup> 14.3-45.8%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
		Flow Cytometry			187-1078 ABS/mm <sup>3</sup> 0.0-15.0%				
CD8+/CD45RA+/CD27-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-341 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RA+/CD27+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.8-18.3% 0-426 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RA+/CD29-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-14.2% 0-331 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RA+/CD29+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	2.6-18.1% 30-408 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RO+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	5.2-31.8% 132-816 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RO+/CD27-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0.0-4.7%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RO+/CD27+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-122 ABS/mm <sup>3</sup> 0.0-12.9%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
					0-291 ABS/mm <sup>3</sup> 0.0-2.6%				
CD8+/CD45RO+/CD29-	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-56 ABS/mm <sup>3</sup> 0.0-14.4%	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD8+/CD45RO+/CD29+	N/A	Flow Cytometry	Navios Flow Cytometer	% / ABS	0-343 ABS/mm <sup>3</sup>	N/A	OSU Flow Lab established	N/A	0.0-100.0%
CD80 CD86	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
CD9 cMPO	N/A N/A	Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A	N/A N/A	N/A N/A	N/A N/A	0.0-100.0% 0.0-100.0%
COVID-19 IgG(S)	SARS-CoV-2, COVID-19 IgG	Chemiluminescent	Diasorin Liason XL	Detected / Not Detected	Not Detected	N/A	N/A	N/A	Detected / Not Detected
COVID-19 IgG(N)	SARS-CoV-2,	ELISA	Epitope Diagnostic	Detected /	N - P 1	N/A	N/A	N/A	Detected /
	COVID-19 IgG (N)			Not Detected	Not Detected				Not Detected
FMC7 Gamma/Delta	N/A N/A	Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer	Not Detected %	N/A	N/A N/A	N/A N/A	N/A	0.0-100.0%
FMC7 Gamma/Delta HLA-DR	N/A		Navios Flow Cytometer	% % %		N/A	N/A		
FMC7 Gamma/Delta	N/A N/A N/A IL-1b IL-2r,	Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	% %	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7 Gamma/Delta HLA-DR Interleukin 1 Beta Interleukin 2 Receptor Interleukin 6	N/A N/A N/A IL-1b IL-2r, Soluble CD25 IL-6	Flow Cytometry Flow Cytometry Flow Cytometry Chemiluminescent Chemiluminescent Chemiluminescent	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens	% % % pg/mL U/mL pg/mL	N/A N/A N/A <5.00 139-579	N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established	N/A N/A N/A 5.00-500.00 5-7,500 2-1.000	0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 5-75,000 2-10,000
FMC7 Gamma Delta HLA-DR Interfeukin Beta Interleukin 2 Receptor Interleukin 6 Kappa Ki-67	N/A N/A N/A N/A N/A II1b II2r, Soluble CD25 II6 N/A N/A	Flow Cytometry Flow Cytometry Flow Cytometry Chemiluminescent Chemiluminescent Chemiluminescent Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer	9% 9% 9% pg/mL U/mL po/mL 9% / ratio 9%	N/A N/A N/A <5.00 139-579 <6 N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established N/A N/A N/A	N/A N/A N/A 5.00-500.00 5-7,500 2-1,000 N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 5-75,000 2-10.000 0.0-100.0%
FMC7 Gamma/Detta HLA-DR Interleukin Beta Interleukin 2 Receptor Interleukin 6 Kappa Ki-67 Lambda aff4T	N/A  N/A  N/A  N/A  IL-1b  IL-2r,  Soluble CD25  II6  N/A  N/A  N/A  N/A  N/A	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemiluminescent Chemiluminescent Chemiluminescent Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Navios Flow Cytometer	96 96 96 96 pg/mL U/mL pg/mL 96 / ratio 96 96 / 76	N/A N/A N/A N/A S.00  139-579  <6 N/A N/A N/A N/A N/A N/A	N/A	N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established N/A N/A N/A N/A	N/A N/A N/A 5.00-500.00 5-7,500 2-1,000 N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 5-75,000 2-10,000 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7 Gammu Delta HLA-DR Interleukin Beta Interleukin 2 Receptor Interleukin 6 Kappa Ki-67 Lambda nTdT Vb1 Vb11	N/A N/A N/A III1 b III2 t, Soluble CD25 II6 N/A N/A N/A N/A TCR VbETA TCR VbETA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemiluminescent Chemiluminescent Chemiluminescent Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Navios Flow Cytometer	96 96 96 96 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A N/A N/A N/A N/A N/A <-5.00  139-5796 N/A N/A N/A N/A N/A 1.89-11.70% 0.25-5.11%	N/A	N/A N/A N/A N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established N/A N/A N/A N/A Deckman Coulter-verified Beckman Coulter-verified	N/A N/A N/A N/A S.00-500.00 5-7,500 2-1,000 N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 5.75,000 2-10,000 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7 Gammu Detta HLA-DR Interleukin Beta Interleukin 2 Receptor Interleukin 6 Kappa Ki-67 Lambda nTdT Vb1 Vb12 Vb13,1	NIA NIA NIA NIA LL-1b LL-2c LL-2c LL-6 NA NIA NIA NIA NIA NIA NIA NICR WEETA TCR WEETA TCR WEETA TCR WEETA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilaminescent Chemilaminescent Flow Cytometry Fl	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$96 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	N/A N/A N/A N/A N/A N/A <-5.00 -5.00 -6 N/A N/A N/A N/A N/A N/A N/A 1.89-11.70% -6 0.22-5.11% -1.00-4.76% -1.62-8.16%	N/A	N/A N/A N/A N/A N/A N/A N/B N/B N/B N/B N/B N/B N/B N/B N/B N/A N/A N/A N/A N/A N/A Beckman Coulter-verified Beckman Coulter-verified Beckman Coulter-verified	N/A N/A N/A N/A N/A S.00-500.00 S-7,500 2-1,000 N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 5-75,000 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7 Gammu Delta HLA-DR Interleukin Beta Interleukin 2 Receptor Interleukin 6 Kanpa Ki-67 Lambda n'fd' Vb1 Vb11 Vb12 Vb13,1 Vb13,2 Vb13,6	NIA NIA NIA NIA NIA LI-b LI-2r LI-2r Solable CD25 LI-6 NIA NIA NIA NIA NIA NIA TCR VBETA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilluminescent Chemilluminescent Flow Cytometry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$5 \$6 ppimL U/mL poimL \$7/ratio \$5, \$7/ratio \$5, \$6 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5 \$5	N/A N/A N/A N/A N/A N/A <-5.00 -5.00 -6 N/A N/A N/A N/A N/A N/A N/A 1.89-11.70% 0.25-5.11% 1.00-4.76% 1.62-8.16% 0.80-5.28% 0.84-8.80%	N/A	N/A	N/A N/A N/A N/A S.00-500.00 S-7-500 2-1.000 N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 5.00-500.00 3-75,000 2-10.000 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7 Gamma Delta HL-S-DR Interleukin 1 Beta Interleukin 2 Receptor Interleukin 2 Receptor Interleukin 6 Kappa Ki-67 Lambda n147 Vb1 Vb1 Vb1 Vb12 Vb13,6 Vb13,6 Vb14 Vb14 Vb14 Vb14 Vb15 Vb13,6 Vb14 Vb16 Vb16 Vb16 Vb16 Vb16	NIA NIA NIA NIA NIA LI-2b LI-2r Solable CD25 LI-6 NIA	Five Connecty Flow Connecty Flow Connecty Flow Connecty Flow Connecty Chemilaminescent Chemilaminescent Chemilaminescent Flow Connecty Flow Flow Flow Flow Flow Flow Flow Flow	Navios Flow Cytometer Navios Plow Cytometer Navios Plow Cytometer Stemans Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$9 ppimL U/mL ppimL \$5/ratio \$5/ratio \$5/ratio \$5/\$ \$5/\$ \$5/\$ \$5/\$ \$5/\$ \$5/\$ \$5/\$ \$5/	N/A N/A N/A N/A N/A N/A S-5.00 139-579 -6 N/A N/A N/A N/A N/A N/A N/A N/A N/A 0.25-5.11% 0.25-5.11% 0.30-5.28% 0.30-5.28% 1.33-8.03% 0.42-1.90%	N/A	NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab. NA. NA. NA. NA. NA. NA. NA. Beckman Coulter-verified	N/A	0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-100.0% 0-0-100.0% 0-0-100.0% 0-0-100.0% 0-0-100.0% 0-0-100.0% 0-0-100.0% 0-0-100.0%
FMC7 Gamma Delta HLA-DR Interleukin I Berta Interleukin I Receptor Interleukin Receptor Interleukin G Kappa Ki-67 Lambda nTdT Vb1 Vb11 Vb13 Vb13 Vb13 Vb14 Vb14 Vb14 Vb15 Vb15 Vb15 Vb16 Vb16 Vb16 Vb17 Vb17 Vb17 Vb17 Vb17 Vb17 Vb17 Vb17	NIA NIA NIA NIA NIA LI-2th LI-2tr Soluble CD25 LI-6 NIA	Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Chemilaminiscent Chemilaminiscent Chemilaminiscent Five Cotonetry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Stemans Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$9 pgmL U/mL ppimL \$7/ratio \$7/ra	N/A N/A N/A N/A N/A N/A N/A 190-79	N/A	NA. NA. NA. NA. NA. OSU Fiver Lab established OSU Fiver Lab established OSU Fiver Lab established OSU Fiver Lab. NA. NA. NA. NA. NA. NA. NA. NA. Beckman Coulter-verified	N/A	0-100.0% 0-100.0%
PMC7 Gamma Delta HLA-DR Interleukin I Berta Interleukin I Receptor Interleukin Receptor Interleukin G Kappa Ki-67 Lambda nT dT Vb1 Vb11 Vb12 Vb13 Vb13 Vb14 Vb14 Vb14 Vb15 Vb15 Vb16 Vb16 Vb17 Vb17 Vb18 Vb18 Vb18 Vb18 Vb18 Vb18 Vb18 Vb18	NIA NIA NIA NIA NIA LL-1b LL-2r Solable CD25 LL-6 NIA	Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Five Cotonetry Chemiluminescent Chemiluminescent Chemiluminescent Five Cotonetry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$76 \$9 pgmL U/mL ppimL \$7/ ratio \$7/ rat	N/A N/A N/A N/A N/A N/A N/A S-5.00  139-579  -6 N/A	N/A	NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA.	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7  Gamma Debta  III.A-DR  Interleukin I Reta  Interleukin I Receptor  Interleukin I Receptor  Interleukin I Receptor  Interleukin I Receptor  Interleukin G  Kappa  Ki-67  Lambda  nTdT  Vb1  Vb11  Vb12  Vb13  Vb13  Vb14  Vb14  Vb15  Vb15  Vb16  Vb17  Vb16  Vb17  Vb18  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb	NIA NIA NIA NIA NIA LI-1b LI-2r Sobible CD25 LI-6 NIA	Five Cotonetry Five C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$76 \$6 \$76 \$76 \$77 \$77 \$77 \$77	N/A	N/A	NA. NA. NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA. NA. NA. NA. NA. NA. NA. Beckman Couler-verified	N/A	0.0-100.0% 0.0-100.0%
FMC7  Gamma Delta  IL A DR  Interbolks I Beta  Interbolks I Beta  Interbolks I Receptor  I Ampha  I A Delta  I A Del	NIA NIA NIA NIA NIA LI-1b LI-2r Sobible CD25 LI-6 NIA	Five Cotonetry	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Siemens Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer	\$6 \$6 \$6 pgimL  U/mL pgimL  \$6/ratio \$6	N/A	N/A	NA.	NIA	0.0-100.0% 0.0-100.0%
FMC7  Gamma Delta  III.A.DR  III.A.DR  III.A.DR  Interkolain I Breta  Interkolain I Receptor  Intertendain Receptor  Intertendain Receptor  Intertendain Receptor  Ki-67  Lambda  eT-07  Vb1  Vb11  Vb12  Vb13.1  Vb13.2  Vb13.6  Vb14  Vb16  A.DR  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb	NIA NIA NIA NIA NIA NIA LI-1b LI-2r Sobbbe CD25 LI-6 NIA	Flow Cytometry Flow Chometry Flow Chometry Flow Chometry Flow Chometry Flow Chometry Chomiliminocount Chemiliminocount Chemiliminocount Chemiliminocount Flow Cytometry Flo	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 pgmL  U/mL pgmL  \$7/rato \$5 \$7/rato \$5 \$7/rato \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6	N/A	N/A	NA. NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA. NA. NA. NA. NA. NA. NA. NA. NA. Beckman Couler-verified	N/A	0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0% 0.0-100.0%
FMC7  Gamma Delta  HLA-DR Interbedah Berta  Interbedah Berta  Interbedah Secreptor  Inte	NIA NIA NIA NIA NIA NIA LI-1b LI-2r Solable CD25 LI-6 NIA	Flow Cytometry Flow Chometry Flow Chometry Flow Chometry Flow Chometry Chemiliminescent Chemiliminescent Chemiliminescent Chemiliminescent Flow Cytometry Fl	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$96 Pgrint.  U/mL.  pgrint.  \$6 \$76 \$76 \$76 \$76 \$76 \$76 \$76 \$76 \$76	N/A	N/A	NA. NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA. NA. NA. NA. NA. NA. NA. NA. NA. Beckman Coulter-verified	N/A	0.0-100.0% 0.0-100.0%
PMC7  Gamma Delta  HLA-DR  Interleukin 1 Beta  Interleukin 2 Receptor  Interleukin 2 Receptor  Interleukin 2 Receptor  Interleukin 2 Receptor  Interleukin 5 Receptor  Interleukin 6  Kappa  Ki-67  Lambda  **147  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	NIA NIA NIA NIA NIA NIA NIA LI-1b LI-2r Solable CD25 LI-6 NIA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilianinescent Chemilianinescent Chemilianinescent Flow Cytometry Flow Cytomet	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$76 \$9 \$pgmL  UmL point. \$5 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7 \$7	N/A N/A N/A N/A N/A N/A N/A 139-579  -6 N/A	N/A	N/A  N/A  N/A  N/A  N/A  N/A  OSU Flow Lab established  N/A  N/A  N/A  N/A  N/A  N/A  N/A  Beckman Coulser-verified	N/A	0.0-100.0% 0.0-100.0%
FMC7  Gamma Delta  III.A-DR  Interclushin Beta  Interclushin Reta  Interclushin Reta  Interclushin Reta  Interclushin Reta  Interclushin Reta  Interclushin G  Kappa  Ki-67  Lambda  nTdT  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	NIA NIA NIA NIA NIA NIA NIA NIA LI-b LI-2r Solable CD25 LI-6 NIA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilianinoscott Chemilianinoscott Chemilianinoscott Chemilianinoscott Flow Cytometry Flow Cyto	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$9\$ Pgrint.  U/mt.  pgrint.  U/mt. \$6/rato \$5 \$6/rato \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6	N/A	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab stablished OSU Flow Lab stablished N/A N/A N/A N/A N/A N/A Beckmar Couler-verified	N/A	0.0-100.0% 0.0-100.0%
PMC7 Gamma Delta  HLA-DR Interleukin 1 Beta Interleukin 2 Receptor Interleukin 3 Receptor Interleukin 4 Receptor Interleukin 4 Receptor Interleukin 5 Receptor Interleukin 6 Receptor Interleukin 7 Receptor I	NIA NIA NIA NIA NIA NIA NIA NIA LL-Ib LL-IC LL-IC LL-IC NIA NIA NIA NIA NIA NIA NIA NIA NICR VMETA ICR VMETA	Five Cotenetry Flow Cotenetry Flow Cotenetry Flow Cotenetry Flow Cotenetry Flow Cotenetry Flow Cotenetry Chemilaminescent Chemilaminescent Chemilaminescent Flow Cotenetry	Navios Flow Cytometer Navios Plow Cytometer Navios Plow Cytometer Stemans Siemens Siemens Siemens Siemens Navios Flow Cytometer Navi	\$6 \$6 \$6 \$76 \$76 \$76 \$76 \$77 \$77 \$77 \$77	N/A N/A N/A N/A N/A N/A N/A N/A 139-179  -6 N/A	N/A	NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA	N/A	0.0-100.0% 0.0-100.0%
FMC7  Gamma Debta  HLA-DR  Interleukin I Beta  Interleukin I Receptor  Interleukin Receptor  Interleukin Receptor  Interleukin Receptor  Interleukin Receptor  Interleukin Receptor  Ni-67  Lambda  17 dT  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	NIA NIA NIA NIA NIA NIA NIA LI-2b LI-2r Solable CD25 LI-6 NIA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilianinoscott Chemilianinoscott Chemilianinoscott Chemilianinoscott Flow Cytometry Flow Cyto	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$9\$ Pgrint.  U/mt.  pgrint.  U/mt. \$6/rato \$5 \$6/rato \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6	N/A	N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A OSU Flow Lab established OSU Flow Lab established OSU Flow Lab stablished OSU Flow Lab stablished N/A N/A N/A N/A N/A N/A Beckmar Couler-verified	N/A	0.0-100.0% 0.0-100.0%
PMC7 Gamma Delta  HLA-DR Interleukin I Berta Interleukin I Receptor I Interleukin I In	NIA NIA NIA NIA NIA NIA NIA NIA LI-2th LI-2tr Soluble CD25 LI-6 NIA	Five Cotometry Five C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$76 \$6 \$76 \$76 \$77 \$77 \$77 \$77	N/A	N/A	NA NA NA NA NA OSU Flow Lab stablished OSU Flow Lab stablished OSU Flow Lab stablished OSU Flow Lab stablished NA NA NA NA NA NA NA NA Beckman Couler-verified	NIA	0.0-100.0% 0.0-100.0%
PMC7 Gamma Delta  HLA-DR  Interleukin I Berta  Interleukin I Berta  Interleukin I Receptor  Interleukin Receptor  Interleukin G  Kappa  Ki-67  Lambda  nT dT  Vb1  Vb11  Vb11  Vb12  Vb13  Vb13  Vb14  Vb15  Vb14  Vb15  Vb15  Vb16  Vb17  Vb18  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb	NIA NIA NIA NIA NIA NIA NIA NIA NIA LL-Ib NIA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemilaminoscott Chemilaminoscott Chemilaminoscott Chemilaminoscott Chemilaminoscott Flow Cytometry Flow Cytome	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer	\$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$77 \$77 \$77	N/A	NVA	NA N	N/A	0.0-100.0% 0.0-100.0%
PMCT Gamma Delta HLA-DR Interleukin I Reta Interleukin I Recoptor I Interleukin I	NIA NIA NIA NIA NIA NIA NIA NIA NIA LI-2th LI-2tr Soluble CD25 LI-6 NIA	Five Cotonetry Flow Cotonetry Flow Cotonetry Flow Cotonetry Coommissionered Chemiliamiscent Chemiliamiscent Chemiliamiscent Flow Cotonetry Fl	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navios F	\$6 \$6 \$6 \$76 \$76 \$76 \$76 \$77 \$77 \$77 \$77	N/A	NVA	NA NA NA NA OSU Five Lab established NA NA NA NA NA NA NA NA Beckman Coulter-verified N/A	N/A	0.0-100.0% 0.0-100.0%
PMC7  Camma Delta  III.A. DR  Interleable I Beta  Kappa  Ki-67  Lambda  a T-6T  Vb1  Vb1  Vb1  Vb12  Vb13,1  Vb13,2  Vb13,6  Vb14  Vb16  Vb16  Vb17  Vb18  Vb18  Vb18  Vb18  Vb19  Vb19  Vb19  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb2  Vb	NIA NIA NIA NIA NIA NIA NIA NIA NIA LL-Ib LL-IC LL-IC Soluble CD25 LL-6 NIA	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemiliminscent Chemiliminscent Chemiliminscent Chemiliminscent Flow Cytometry Fl	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navi	\$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$77 \$77 \$77 \$	N/A	N/A	NA NA NA NA NA NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA	N/A	0.0-100.0% 0.0-100.0%
PACT  Gamus Delta  III.A.DR  Interkolsh I Beta  Kappa  Ki-67  Lambda  a T-6T  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	N/A	Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Flow Cytometry Chemiliminscent Chemiliminscent Chemiliminscent Chemiliminscent Flow Cytometry Fl	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navi	\$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$77 \$77 \$	N/A	N/A	NA NA NA NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA	NIA	0.0-100.0% 0.0-100.0%
PMC7 Gamma Delta HLA-DR Interleukin I Reta Interleukin I Receptor Interleukin Receptor Interleukin Receptor Interleukin Receptor Interleukin Receptor Interleukin G Kappa Ki-67 Lambdra nTdT Vb1 Vb11 Vb13 Vb13 Vb13 Vb13 Vb13 Vb13	NIA	Five Cotonetry Chemilaminisecent Chemilaminisecent Chemilaminisecent Chemilaminisecent Five Cotonetry Five Coto	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Stemens Siemens Siemens Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer Navios Flow Cyto	\$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$77 \$77 \$77 \$	N/A	N/A	NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established NA.	N/A	0.0-100.09% 0.0-100.09%
PMCT Gamma Delta HLA-DR Interleukin I Berta Interleukin I Receptor Interleukin I Receptor Interleukin I Receptor Interleukin I Receptor Interleukin G Kappa Ki-67 Lambda nT dT Vb1	NIA NIA NIA NIA NIA NIA NIA LI-Ib IL-2r Solable C25 IL-6 NIA	Flow Cytometry Flow C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navios Flow	\$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$6 \$	N/A	N/A	N/A  N/A  OSU Flow Lab established  N/A  N/A  N/A  N/A  N/A  N/A  N/A  Beckman Coulser-verified N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A	N/A	0.0-100.0% 0.0-100.0%
FMC7  Gamus Delta  III.A.DR  Interkolshi Beta  Interkolshi Beta  Interkolshi Beta  Interkolshi Receptor  Intertrolshi Receptor  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	NIA	Five Cotometry Five Cotometry Five Cotometry Chemiliminiscent Chemiliminiscent Chemiliminiscent Chemiliminiscent Five Cotometry Five Cotometr	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navios Flow Cytomete	\$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$77 \$77 \$	N/A	N/A	NA NA NA NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA NA NA NA NA NA NA Beckman Couler-verified NA	NIA	0.0-100.0% 0.0-100.0%
FMC7  Casmod Delta  III.2-DR  III.2-DR  III.2-DR  Interkolshi I Beta  Interkolshi I Beta  Interkolshi I Beta  Interkolshi I Receptor  Intertredala i Receptor  Vali   NIA	Flow Cytometry Flow Cytometry Chemiliminscent Chemiliminscent Chemiliminscent Chemiliminscent Chemiliminscent Flow Cytometry F	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navios F	\$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA NA NA NA NA OSU Flow Lab established NA NA NA NA NA NA NA NA Beckman Coulter-verified Beckman	N/A	0.0-100.0% 0.0-100.0%	
FMC7 Gamma Delta HLA-DR Interbush in Heta Interbush in Recuptor Interbush in Interbus	N/A	Five Cotometry Flow C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navios	\$6 \$6 \$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA. NA. NA. NA. NA. NA. NA. OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA. NA. NA. NA. NA. NA. NA. Beckman Couler-verified NA.	NIA NIA NIA NIA NIA NIA NIA NIA NIA NIA	0.0-100.0% 0.0-100.0%
FMC7  Gamma Debta  ILA-DR  Interdushi I Beta  Interdushi I Beta  Interdushi I Receptor  Interdushi Reconstition  Interdushi	NIA	Five Cytometry Flow C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Stemans Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer Navios Flo	\$6 \$6 \$6 \$6 \$76 \$76 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA NA NA NA OSU Flow Lab established NA NA NA NA NA NA NA NA NA Beckman Coulter-verified NA	N/A	0.0-100.0% 0.0-100.0%
FMC7  Gamea Delta  ILA-DR  ILA-DR  Interbashin I Barta  Interbashin Recaptor  Interbashin Recaptor  Interbashin Recaptor  Interbashin Recaptor  Interbashin Recaptor  Interbashin Recaptor  Ki-67  Lambdas  a TdT  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb1  Vb	NIA	Flow Cytometry Flow Cytometry Chemiliminiscent Chemiliminiscent Chemiliminiscent Chemiliminiscent Chemiliminiscent Flow Cytometry Flow Cytome	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navi	\$6 \$6 \$6 \$6 \$76 \$76 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA NA NA NA NA NA NA Beckman Couler-verified NA	NIA	0.0-100.0% 0.0-100.0%
FMCT Gammo Potts  III.A-DR Interleukin 1 Beta Interleukin 2 Receptor Interleukin 2 Receptor Interleukin 2 Receptor Interleukin 6 Kappa Ki467 Lambda 1147 Viii Viiii Viii	N/A	Five Cytometry Flow C	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Stemans Siemens Siemens Siemens Siemens Siemens Siemens Siemens Navios Flow Cytometer Na	\$6 \$6 \$6 \$6 \$6 \$76 \$6 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA. NA. NA. NA. OSU Flow Lab established NA. NA. NA. NA. NA. NA. NA. NA. NA. Beckuna Coulter-verified NA.	N/A	0.0-100.0% 0.0-100.0%
FMCT  Gamma Welta  III. A-DIR  Interleukin I Berta  Interleukin I Receptor  I Albaria  I Halbaria  I	NIA	Flow Cytometry Flow Cytometry Chemiliminiscent Chemiliminiscent Chemiliminiscent Chemiliminiscent Chemiliminiscent Flow Cytometry Flow Cytome	Navios Flow Cytometer Navios Flow Cytometer Navios Flow Cytometer Siemens Navios Flow Cytometer Navi	\$6 \$6 \$6 \$6 \$76 \$76 \$76 \$76 \$76 \$77 \$77	N/A	N/A	NA NA NA NA NA OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established OSU Flow Lab established NA NA NA NA NA NA NA Beckman Couler-verified NA	NIA	0.0-100.0% 0.0-100.0%