Medpace Reference Laboratories
Validated Assay October 2026

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
1,5 Anhydroglucitol	Glycomark	Endocrinology and Diabetes	Enzymatic	Serum	7 Days	7 Days	36 Months	12 Months
5-Nucleotidase	5'-NT	Metabolic	Photometric	Serum	1 Week	1 Week	2 Months	12 Months
Acetaminophen		Drug	Immunoassay	Serum	24 Hours	7 Days	6 Months	N/A
Activated Protein C Resistance V	APCRV	Coagulation	Clot Detection	Na Citrate Plasma	Not Stable	Not Stable	Not Stable	3 Years
ADAPT score	ADAPT		Calculation	Calculation	2 Days	7 Days	12 Weeks	24 Months
Adenovirus (QIAstat-Dx)	ADV, QIAstat-Dx Respiratory Panel, Qualitative	Infectious Disease	RT-PCR	Swab	4 Hours	3 Days	14 Days	N/A
Adenovirus DNA	AdV, AdV Viral Load, AdV PCR	Infectious Disease	PCR	EDTA Plasma; Urine, Feces, Swab	Plasma, Urine, Swab : 2 Days; Feces : 7 days	Plasma, Urine, Swab : 7 Days; Feces : 14 days	Plasma, Urine, Feces : 6 months; Swab : Ongoing	Plasma, Urine, Feces : 6 months; Swab : 1 Year
Adiponectin		Endocrinology and Diabetes	EIA	EDTA Plasma; Serum	4 Days	1 Week	18 Months	18 Months
Adiponectin, High Molecular Weight	HMW Adiponectin	Endocrinology and Diabetes	EIA	EDTA Plasma; Serum	Serum: 1 Week; EDTA Plasma: 3 Days	Serum: 3 Weeks; EDTA Plasma: 1 Week	31 Months	31 Months
Adrenocorticotropic Hormone	ACTH	Endocrinology and Diabetes	ECLIA	EDTA Plasma	2 Hours	4 Hours	4 Weeks	2 Years
Alanine Aminotransferase	ALT, SGPT	Metabolic	Kinetic	Serum	4 Days	1 Month	3 Days	12 Months
Albumin (Blood)		Metabolic	Endpoint Photometric	Serum	2 Weeks	1 Month	1 Year	1 Year
Albumin (Urine)	Microalbumin	Nephrology	Nephelometry	Urine	7 Days	2 Weeks	1 Month	8 Months
Aldolase	ALD	Musculoskeletal	Colorimetry	Serum	2 Days	2 Weeks	2 Weeks	5 Months
Aldosterone		Endocrinology	CLIA	EDTA plasma; Serum	Serum: 1 Day EDTA Plasma: 3 Days	Serum: 2 Weeks EDTA Plasma: 4 Days	Serum: 12 Months EDTA Plasma: 11 Months	Serum: 12 Months EDTA Plasma: 11 Months
Aldosterone (Urine)		Endocrinology	CLIA	Urine	1 Week	2 Weeks	11 Months	6 Months
Alkaline Phosphatase	ALP	Metabolic	Kinetic	Serum	1 Week	1 Week	3 Months	12 Months
Alkaline Phosphatase Bone Fragment	ALP Isoenzyme B	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase L1 and bone fragment	ALP Isoezyme L1+B	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase Liver 1 Fragment	ALP Isoenzyme L1	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase Liver 2 Fragment	ALP Isoenzyme L2	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase Other Fragments	ALP Isoezymes Other	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase Total Liver Fragment	ALP Isoenzyme L Total	Metabolic	Electrophoresis	Serum	8 Days	35 Days	28 Days	35 Days
Alkaline Phosphatase, Bone	BAP, BSAP	Bone Marker	CLIA	Serum	1 Week	2 Weeks	12 Months	12 Months
Alpha 2 Macroglobulin	A2 Macro	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	1 Month	1 Month
Alpha Fetoprotein	AFP	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	12 Months
Alpha glutathione S-transferase	Alpha-GST	Renal	EIA	Urine	7 Days	2 Weeks	1 Month	12 Months
Alpha-1 Antitrypsin	A1AT	Inflammation and Immunology	Turbidity	Serum	7 Days	7 Days	3 Days	45 Months
Alpha-1-Microglobulin (urine)	Protein HC^3	Nephrology	Nephelometry	Urine	2 Days	8 Days	Not Stable	Not Stable
Ammonia		Metabolic	Photometric	EDTA Plasma	Not Stable	Not Stable	3 Days	5 Months
Amylase (Blood)	Alpha Amylase	Metabolic	Enzymatic	Serum	2 Week	1 Month	1 Year	1 Year
Amyloid A	SAA	Inflammation and Immunology	Nephelometry	Serum	9 Days	2 Weeks	12 Months	12 Months
Amyloid A	SAA	Inflammation and Immunology	EIA	Serum	9 Days	2 Weeks	12 Months	12 Months
Amyloid Beta 40	AB40	Neurologic	Single Molecule Array	EDTA Plasma	8 Hours	1 Day	8 Months	9 Months
Amyloid Beta 42	AB42	Neurologic	Single Molecule Array	EDTA Plasma	8 Hours	1 Day	8 Months	9 Months
Angiopoietin-1	ANG-1	Cardiovascular	EIA	Serum	1 Week	1 Week	3 Months	12 Months
Angiopoietin-2	ANG-2	Auto Immune	EIA	Serum	1 Week	1 Week	12 Months	12 Months
Angiopoietin-Like 3	ANGPTL3	Cardiovascular	EIA	EDTA Plasma; Serum	Not Stable	1 Week	10 Months	26 Months
Angiopoietin-like 4	ANGPTL-4	Cardiovascular	EIA	Serum	1 Week	2 Weeks	5 Months	12 Months
Angiotensinogen (Plasma)	AGT plasma	Endocrinology	EIA	EDTA Plasma	24 Days	24 Days	12 Months	12 Months
Angiotensinogen (Urine)	AGT	Endocrinology	EIA	Urine	Not stable	24 hours	Not stable	11 Months
Anion Gap		Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Anti CCP Antibodies		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 weeks	N/A	N/A
Anti-Mullerian Hormone			ECLIA	Serum	3 Days	5 Days	6 Months	6 Months
Anti-Nuclear Antibodies (ANA) Screen	ANA	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	48 Hours	1 Week	12 Months	12 Months
Anti-Ro52	Anti-Ro52 (IgG)	Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks	1 Month	1 Month
Anti-Ro60 (IgG)	Sjogrens syndrome-A extractable nuclear IgG Ab	Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks	1 Month	1 Months
Antithrombin Activity	AT3	Coagulation	Chromogenic	Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
Apo(a) Isoform		Lipid and Lipoprotein Metabolism	Electrophoresis	Serum	1 Week	1 Month	2 Months (Ongoing)	9 Years
Apolipoprotein (a)-linked Oxidized Phospholipid	Apoa OxPl		EIA	EDTA Plasma;#Serum	1 Day	1 Day	6 Months	24 Months
Apolipoprotein AI	Apo AI	Lipid and Lipoprotein Metabolism	Nephelometry	EDTA Plasma; Serum	3 Weeks	3 Months	1 Year	2 Years
Apolipoprotein AII	Apo AII	Lipid and Lipoprotein Metabolism	Nephelometry	EDTA Plasma; Serum	3 Days	1 Week	3 Months	6 Months
Apolipoprotein AV	Apo AV, Apo A5	Lipid and Lipoprotein Metabolism	EIA	Serum	3 Days	1 Week	26.5 Months	26.5 Months
Apolipoprotein B, Total	Apo B	Lipid and Lipoprotein Metabolism	Nephelometry	EDTA Plasma; Serum	3 Weeks	3 Months	1 Year	2 Years
Apolipoprotein B-48	Apo B-48	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma; Serum	2 Days	1 Week	3 Months	30 Months (ongoing)
Apolipoprotein B-linked Oxidized Phospholipid	ApoB OxPl		EIA	EDTA Plasma;#Serum	4 Hours	1 Day	6 Months	24 Months
Apolipoprotein CII	Apo CII	Lipid and Lipoprotein Metabolism	Turbidity	Serum	7 Days	3 Weeks	6 Months	18 Months

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Apolipoprotein CIII	Apo CIII	Lipid and Lipoprotein Metabolism	Turbidity	Serum	2 Weeks	3 Weeks	15 Months	15 Months
Apolipoprotein E	Apo E	Lipid and Lipoprotein Metabolism	Nephelometry	EDTA Plasma; Serum	3 Days	1 Week	1 Year	1 Year
Apolipoprotein E, Genotyping	Apo E Genotyping, Apo E by Sanger Sequencing	Neurologic	Molecular	EDTA Whole Blood	48 Hours	14 Days	Not Stable	2 Years
APRIL	TNFSF13, A Proliferation-Inducing Ligand	Oncology	EIA	Serum	2 Days	1 Week	Not Stable	20 Months
Asparate Amino Transferase	AST, SGOT	Metabolic	Kinetic	Serum	7 Days	1 Month	10 Months	1 Year
Autotaxin	ENPP-2	Oncology	EIA	Serum	3 Days	3 Days	17 Months	17 Months
AXL, soluble	sAXL, soluble cell surface receptor tyrosine kinase AXL	Inflammation and Immunology	EIA	EDTA Plasma	8 Days	2 Weeks	12 Months	12 Months
B type Natriuretic Peptide (BNP)	BNP	Cardiovascular	ECLIA	EDTA Plasma	1 Day	Not Acceptable	9 Months	9 Months
Ba Fragment			EIA	EDTA Plasma	14 Days	14 Days	3 Days	2 Months (Ongoing)
B-cell activating factor	BAFF, BLyS, TNFSF13B	Auto Immune	EIA	EDTA Plasma	1 Day	1 Day	3 Months	22 Months
Beta 2 Microglobulin (Blood)		Nephrology	Nephelometry	Serum	2 Weeks	3 Weeks	1 Year	1 Year
Beta 2 Microglobulin, High Sensitivity (Urine)	hs UR B2M	Nephrology	Nephelometry	Urine	3 Days	3 Days	18 Months	18 Months
Beta Carotene		Nutritional	UPLC	EDTA Plasma; Serum	3 Weeks	3 Months	4 Months	1 Year
Beta Hydroxybutyrate	RANBUT	Endocrinology and Diabetes	Turbidity	Serum	1 Week	1 Week	4 Months	4 Months
Beta-2 Glycoprotein Antibody IgA		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks	1 Month (ongoing)	1 Month (ongoing)
Beta-2 Glycoprotein Antibody IgG		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks	1 Month (ongoing)	1 Month (ongoing)
Beta-2 Glycoprotein Antibody IgM		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks	1 Month (ongoing)	1 Month (ongoing)
Bicarbonate, Total	CO2	Metabolic	Photometric	Serum	3 Days	1 Week	1 Year	1 Year
Bile Acids, Total		Metabolic	Enzymatic Cycling	Serum	1 Week	2 Weeks	1 Year	1 Year
Bilirubin, Direct	Conjugated Bilirubin	Metabolic	Photometric	Serum	2 Days	1 Week	1 Month	6 Months
Bilirubin, Indirect	Unconjugated Bilirubin	Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Bilirubin, Total		Metabolic	Photometric	Serum	2 Days	1 Week	1 Month	6 Months
BK Virus DNA	BKV	Infectious Disease	PCR	EDTA Plasma	2 Days	7 Days	23 Months	23 Months
BK Virus Genotyping	BKV genotyping	Infectious Disease	Sanger DNA Sequencing	EDTA Plasma	N/A	N/A	6 Months	6 Months
BK Virus Resistance Genotyping by Sanger Sequencing	BKV Resist DNA	Infectious Disease	Sanger DNA Sequencing	EDTA Plasma	N/A	N/A	6 Months	6 Months
Blood Smear Evaluation	Perhipheral Blood Smear	Hematology	Manual	Blood Smear	N/A	N/A	Do not freeze	Do not freeze
Bordetella pertussis (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
C Peptide		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	2 Days	10 Days	7 Months	7 Months
C Reactive Protein, High Sensitivity	hsCRP	Inflammation and Immunology	Immunoturbidity	Serum	1 Week	1 Month	27 Months	27 Months
C Reactive Protein, High Sensitivity	hsCRP	Inflammation and Immunology	Nephelometry	EDTA Plasma; Heparin Plasma; Serum	1 Week	1 Month	27 Months	27 Months
C Reactive Protein, Ultra Sensitivity		Inflammation and Immunology	Nephelometry	Serum	1 Week	1 Month	27 Months	27 Months
C. difficile Quik Chek		Infectious Disease		Feces	8 Hours	72 Hours	30 Days	30 Days
CA 125	Carbohydrate Antigen 125; Cancer Antigen 125	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Calcitonin		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	4 Hours	1 Day	1 Year	1 Year
Calcium (Blood)		Metabolic	Photometric	Serum	2 Weeks	1 Month	2 Years	1 Year
Calcium (Urine)		Metabolic	Photometric	Urine	1 Week	1 Week	1 Year	1 Year
Calprotectin, Fecal		Gastrointestinal	CLIA	Feces	N/A	3 Days	4 Months	4 Months
Campylobacter Quik Chek		Infectious Disease		Feces	96 Hours	96 Hours		
Cancer Antigen 15-3		Oncology	ECLIA	Serum	48 Hours	5 Days	3 Months (Ongoing)	3 Months (Ongoing)
Carbohydrate Antigen 19-9	CA 19-9	Oncology		Serum	7 Days	14 Days	12 Months	12 Months
Carbohydrate Deficient Transferrin, Percent	% CDT	Metabolic	Immunonephelometry	Serum	1 Day	2 Weeks	1 Year	10 Months
Carcinoembyonic Antigen	CEA	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Cardiolipin Antibody, IgA	Cardiolipin IgA	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	14 Days	1 Year	1 Year
Cardiolipin Antibody, IgG	Cardiolipin IgG	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	14 Days	1 Year	1 Year
Cardiolipin Antibody, IgM	Cardiolipin IgM	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	14 Days	1 Year	1 Year
Cartilage Oligomeric Matrix Protein	COMP, Thrombospondin-5	Bone Marker	EIA	Serum	8 Days	2 Weeks	14 Months	14 Months
Caspase-1			EIA	Serum	4 Hours	2 Days	1 Month (Ongoing)	6 Months (Ongoing)
CBC	Complete Blood Count	Hematology		EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Hematocrit	HCT	Hematology	Instrument Calculated	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Hemoglobin	HB, HGB	Hematology	Photometric	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Mean Corpuscular Hgb	MCH	Hematology	Instrument Calculated	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Mean Corpuscular Hgb Concentration	MCHC	Hematology	Instrument Calculated	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Mean Corpuscular Volume	MCV	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Mean Platelet Volume	MPV	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Platelet Count	PLT	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, RBC Count	RBC	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, Red Cell Distribution Width	RDW	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CBC, WBC Count	WBC	Hematology	Electronic Impedance	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
CD-14, Soluble		Inflammation and Immunology	EIA	Serum	7 Days	14 Days	12 Months	12 Months
CD-40 Ligand, Soluble	sCD40L	Inflammation and Immunology	EIA	EDTA Plasma	2 Hours	Not Stable	3 Months	12 Months
Celikey, IgA		Inflammation and Immunology	Fluorimmunoassay	EDTA Plasma, Serum	8 Hours	48 Hours	1 Year	1 Year
Ceruloplasmin		Renal	Immunoturbidity	Serum	3 Days	1 Week	3 Months	7 Months
Chitinase 3-like 1 (CHI3L1, YKL-40)	CHI3L1, YKL-40	Inflammation and Immunology	EIA	Serum	7 Days	2 Weeks	13 Months	13 Months
Chlamydophila pneumoniae (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A

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Chloride (Blood)	CL	Metabolic	ISE	Serum	2 Weeks	1 Month	1 Year	1 Year
Chloride (Urine)	CL	Metabolic	ISE	Urine	1 Week	2 Weeks	1 Year	1 Year
Cholesterol, Free	Unesterified Cholesterol	Lipid and Lipoprotein Metabolism	Photometric	EDTA Plasma; Serum	2 days	2 Weeks	at least 14 Months	at least 14 Months
Cholesterol, High Density Lipoprotein (Direct)	HDL-C	Metabolic	Enzymatic	Serum	3 Days	3 Weeks	1 Month	1 Year
Cholesterol, High Density Lipoprotein (Precipitation)	HDL-C	Lipid and Lipoprotein Metabolism	Precipitation	Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, High Density Lipoprotein Subfractions (Precipitation)	HDL subfractions, HDL2, HDL3	Lipid and Lipoprotein Metabolism	Precipitation	Serum	N/A	2 Days	N/A	N/A
Cholesterol, High Density Lipoprotein Subfractions (Ultracentrifugation)	HDL subfractions, HDL2, HDL3	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Weeks	2 Months	2 Months	1 Year
Cholesterol, Intermediate Density Lipoprotein (Ultracentrifugation)	IDL	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, Low Density Lipoprotein (Friedewald Calculation)	LDL-C	Lipid and Lipoprotein Metabolism	Calculation	Calculation	N/A	N/A	N/A	N/A
Cholesterol, Low Density Lipoprotein (Direct)	LDL-C	Lipid and Lipoprotein Metabolism	Enzymatic	Serum	4 Days	7 Days	9 Months	14 Months
Cholesterol, Low Density Lipoprotein (Ultracentrifugation)	LDL-C, Beta Quant, BQ LDL	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, Small Dense Low Density Lipoprotein	sdLDL	Lipid and Lipoprotein Metabolism	Photometric	Serum	3 Days	1 Month	4 Months	18 Months
Cholesterol, Total		Lipid and Lipoprotein Metabolism	Photometric	Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, Very Low Density Lipoprotein (Ultracentrifugation)	VLDL-C, Beta Quant, BQ VLDL	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Days	1 Month	1 Year	1 Year
Chorionic Gonadotrophin	BHCG, Beta HCG, HCG, Pregnancy Test	Endocrinology and Diabetes	ECLIA	Citrate Plasma; EDTA Plasma; Fluoride Plasma; Heparin Plasma; Serum	3 Days	3 Days	1 Year	1 Year
Chylomicron (Ultracentrifugation)	Chylos, CM (CM_Chol, CM_Trig, CM_PhosLip)	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	Not Stable	7 Days	Do not freeze	Do not freeze
CK- 18, M30 Apoptosense	CK,18, soluble caspase-cleaved keratin 18	Oncology	EIA	EDTA Plasma; Serum	2 days	1 week	21 Months	21 Months
CK-18, M65 EpiDeath		Oncology	EIA	Serum	1 Day	4 Days	1 Week	11 Months
Clusterin, R&D	Apolipoprotein J, Sulfated Glycoprotein 2, TRPM-2, or SP-40	Renal	EIA	Urine	4 Hours	4 Hours	7 Days	18 Months
c-MET	c-Met	Various	EIA	Serum	1 Week	1 Month	3 Months (Ongoing)	3 Months (Ongoing)
Complement Activity Total	CH50	Inflammation and Immunology	Immunoassay	Serum	6 Hours	1 Day	1 Month	14 Months
Complement Bb	Bb Fragment	Inflammation and Immunology	EIA	EDTA Plasma; Serum	3 Days	3 Days	10 Months	15 Months
Complement C3	C3	Inflammation and Immunology	Nephelometry	EDTA Plasma; Serum	1 Day	1 Week	4 Months	Serum: 18 Months; Plasma: 18 Months
Complement C3a	C3a	Inflammation and Immunology	EIA	EDTA Plasma	4 Hours	4 Hours	7 Days	4 Months
Complement C4	C4	Inflammation and Immunology	Nephelometry	EDTA Plasma; Serum	3 Days	4 Days	3.5 Months	12 Months
Complement C4a	C4a	Inflammation and Immunology	EIA	EDTA Plasma	Not Stable	Not Stable	Not Stable	13 Months
Complement C5a	C5a	Inflammation and Immunology	EIA	EDTA Plasma	2 Weeks	2 Weeks	8 Months	470 Days
Connective Tissue Growth Factor	CTGF	Oncology	EIA	EDTA Plasma	1 Week	1 Week	3 Months	12 Months
Coronavirus 229E (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Coronavirus HKU1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Coronavirus NL63 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Coronavirus OC43 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Cortisol (Blood)		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	2 Weeks	2 Weeks	3 Months	2 Years
Cortisol (Urine)		Endocrinology and Diabetes	ECLIA	Urine	7 Days	2 Weeks	11 Months	12 Months
Cortisol, (Saliva)		Endocrinology and Diabetes	ECLIA	Saliva	2 Weeks	2 Weeks	1 Year	1 Year
Cortisol-Binding Globulin	CBG	Endocrinology and Diabetes	EIA	EDTA Plasma	7 Days	Not Stable	17 Months	17 Months
COVID-19 (Qualitative)	SARS-CoV-2	Infectious Disease	RT-PCR	NP/OP Swab, Saliva, Sputum, Urine, Plasma, Pleural Fluid	Not Stable	72 Hours	Not Stable	1 Year
COVID-19 S Protein RBD Antibodies		Infectious Disease	ECLIA	Serum	3 Days	7 Days	3 Months	N/A
COVID-19, Antibody IgG	Anti-SARS-CoV-2 IgG	Infectious Disease	ECLIA	Serum	N/A	4 Days	N/A	N/A
COVID-19, Pan-Ig Antibodies	Total SARS-CoV-2 Antibodies	Infectious Disease	ECLIA	Serum	7 Days	7 Days	28 Days	N/A
Creatine Kinase	CK, CPK	Metabolic	Kinetic	Serum	10 Days	1 Month	1 Month	1 Year
Creatine Kinase MB Isoenzyme	CK-MB	Cardiovascular	ECLIA	EDTA Plasma; Serum	4 Hours	2 Weeks	3 Months	3 Months
Creatinine (Blood)		Metabolic	Jaffe	Serum	1 Month	2 Months	1 Year	1 Year
Creatinine (Enzymatic)		Metabolic	Enzymatic	Serum	8 Days	17 Days	14 Months	14 Months
Creatinine (Urine)		Nephrology	Jaffe	Urine	1 Week	2 Weeks	1 Year	1 Year
Creatinine Clearance		Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Creatinine, Urine (Enzymatic)		Nephrology	Photometric	Urine	1 Week	2 Weeks	12 Months	12 Months
CXCL1	CXCL1		EIA	Lithium Heparin Plasma	7 Days	1 Day	2 Months (ongoing)	2 Months (ongoing)
Cyclic AMP	cAMP	Auto Immune	EIA	EDTA Plasma	7 Days	2 Days	3 Months	12 Months

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Cyclic GMP	cGMP		EIA	Urine	2 Days	7 Days	7 Days	18 Months
CYFRA21-1	Cytokeratin 19 Fragment	Oncology	CLIA	K3 EDTA Plasma; Lithium Heparin Plasma; Sodium Heparin Plasma; Serum	4 Days	4 Days	12 Months	12 Months
Cystatin C		Nephrology	Nephelometry	Lithium Heparin Plasma; Serum	1 Week	5 Weeks	18 Months	18 Months
Cystatin C (Urine)		Nephrology	Immunoassay	Urine	Not Stable	2 Weeks	Urine no stabilizer 1 Month; Urine with TECO stabilizer 4 Months	Urine no stabilizer 1 Week; Urine with TECO stabilizer 4 Months
Cytochrome C		Metabolic	EIA	Serum	1 Week	1 Week	7 Months	7 Months
Cytomegalovirus DNA	CMV DNA; CMV Viral Load; CMV PCR	Infectious Disease	PCR	EDTA Plasma; CSF; Stool	Not Acceptable	Not Acceptable	6 Months	5 Months (Ongoing)
Cytomegalovirus Genes UL54, UL55, and UL97 for Resistance by Sanger Sequencing	CMV Genotyping Resistance	Infectious Disease	Sanger DNA Sequencing	K2 EDTA Plasma	Not Acceptable	Not Acceptable	6 Months	6 Months
Cytomegalovirus, IgG	CMV IgG	Infectious Disease	ECLIA	Serum	1 Week	1 Month	6 Months	N/A
Cytomegalovirus, IgM	CMV IgM	Infectious Disease	ECLIA	Serum	1 Week	1 Month	3 Months	N/A
D Dimer		Coagulation	Immunoturbidity	3.2% Na Citrate Plasma	4 Hours	2 Days	3 Months	25 Months
Dehydroepiandrosterone Sulfate	DHEA-SO4	Endocrinology and Diabetes	ECLIA	Serum	2 Days	1 Week	2 Months	2 Months
Deoxypyridinolines	DPD	Musculoskeletal	EIA	Urine	1 Week	3 Weeks	1 Year	1 Year
Direct Antiglobulin Test (DAT)	Direct Coombs	Auto Immune	Hemagglutination	EDTA Whole Blood	N/A	7 days	N/A	N/A
DNA A260/230		DNA	DNA Extraction	EDTA Whole Blood	2 Days	28 Days	1 Year	2 Years
DNA A260/280		DNA	DNA Extraction	EDTA Whole Blood	2 Days	28 Days	1 Year	2 Years
DNA Concentration - Automated		DNA	DNA Extraction	EDTA Whole Blood	48 Hours	28 Days	1 Year	2 Years
DNA Concentration - Manual		DNA	DNA Extraction	EDTA Whole Blood	2 Days	28 Days	1 Year	2 Years
DNA Extraction, Cell-free		DNA	DNA Extraction	EDTA Whole Blood	14 Days	28 Days	1 Year	2 Years
DNA Purity - Automated		DNA	DNA Extraction	EDTA Whole Blood	N/A	28 Days	1 Year	2 Years
DNA Yield - Automated		DNA	DNA Extraction	EDTA Whole Blood	N/A	28 Days	1 Year	2 Years
DNA Yield - Manual		DNA	DNA Extraction	EDTA Whole Blood	2 Days	28 Days	1 Year	2 Years
Double-Stranded DNA (dsDNA) Antibody, IgG	dsDNA, dsDNA IgG	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	48 Hours	1 Week	12 Months	12 Months
DPYD qPCR	DPYD allele (5 SNP) detection	Oncology	qPCR	EDTA Whole Blood, EDTA Plasma	48 Hours	1 Week	1 Year (whole blood); 16 Years (Extracted DNA)	1 Year (whole blood); 16 Years (Extracted DNA)
Drug Screen, Amphetamine and Methamphetamine	AMP, m-AMP	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Barbituates	BAR	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Benzodiazepine	BZO	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Buprenorphine		Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Cocaine	COC	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Ecstasy	MDMA	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Ethyl Alcohol (Serum)	Ethanol	Drug	Enzymatic	Serum	1 week	3 Weeks	5 Months	at least 6 Months
Drug Screen, Ethyl Alcohol (Urine)	urine alcohol	Drug	Enzymatic	Urine	2 days	1 Week	1 Week	at least 6 Months
Drug Screen, Fentanyl		Drug	Immunoassay	Urine	Not Stable	7 Days	6 Months	6 Months
Drug Screen, Methadone	MTD	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Methaqualone		Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Opiates	OPI	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Oxycodone		Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Phencyclidine	PCP	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, Propoxyphene	PPX	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, TCA	TCA	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Drug Screen, THC	THC; THC-OH; Marijuana	Drug	Immunoassay	Urine	5 Days	2 Weeks	1 Year	1 Year
Ecarin Clotting Time	ECT	Coagulation		3.2% Na Citrate Plasma	1 Day	1 Week	7 Months	7 Months
Edoxaban Anti Xa		Coagulation	Chromogenic	3.2% Na Citrate Plasma	6 Hours	N/A	N/A	24 Months
Elafin	SKALP, ESI	Inflammation and Immunology	EIA	EDTA Plasma	1 Day	8 Days	3 Months	8 Months
Electrophoresis, Lipoprotein		Lipid and Lipoprotein Metabolism	Electrophoresis	Serum	3 Days	10 Days	Not Stable	Not Stable
Electrophoresis, Serum	SPEP	Nephrology	Electrophoresis	Serum	Not Stable	1 Week	1 Month	1 Month
Electrophoresis, Urine	UPEP	Nephrology	Electrophoresis	Urine	Not Stable	1 Week	N/A	1 Month
Elutions, RBC Antibody	Anti-A, Anti-B, Anti-D Antibody elution screen	Auto Immune	Hemagglutination	EDTA Whole Blood	Not Stable	7 Days	Not Stable	Not Stable
Endostatin		Neurologic	EIA	Serum	Not Stable	Not Stable	Not Stable	14 Months
Endothelin 1	ET-1	Cardiovascular	EIA	Serum	24 Hours	2 Weeks	12 Months	68 Months
Endothelin 1 (Urine)		Cardiovascular	EIA	Urine	Not Stable	2 Weeks	12 Months	68 Months
Enhanced Liver Fibrosis	ELF	Inflammation and Immunology	Immunochemiluminiscence	Serum	1 Week	1 Month	12 Months	16 Months
Epidermal Growth Factor	EGF	Nephrology	EIA	Urine	1 Week	3 Weeks	12 Months	12 Months
Epstein-Barr Virus DNA	EBV; EBV Viral Load; EBV PCR	Infectious Disease	PCR	EDTA Plasma	Plasma, Urine: 2 Days; Whole blood, PBMC: Not stable	Plasma, Urine: 7 Days; Whole blood, PBMC: Not stable	Plasma, Urine: 12 Months; Whole blood, PBMC: Not stable	Plasma, Urine: 12 Months; Whole blood, PBMC: Not stable
Epstein-Barr Virus Early Antigen IgG	EBV Serology Panel	Infectious Disease	ECLIA	Serum	24 Hours	7 Days	6 Months	6 Months
Epstein-Barr Virus Nuclear Antigen IgG	EBV Serology Panel	Infectious Disease	ECLIA	Serum	24 Hours	7 Days	6 Months	6 Months
Epstein-Barr Virus Viral Capsid Antigen-IgG	EBV Serology Panel	Infectious Disease	ECLIA	Serum	24 Hours	7 Days	6 Months	6 Months
Epstein-Barr Virus Viral Capsid Antigen-IgM	EBV Serology Panel	Infectious Disease	ECLIA	Serum	24 Hours	7 Days	6 Months	6 Months
Erythropoietin	EPO	Endocrinology and Diabetes	EIA	Serum	1 Week	2 Weeks	1 Year	5 Years
E-Selectin, Soluble	sE-Selectin	Inflammation and Immunology	EIA	EDTA Plasma	3 Days	3 Days	12 Months	12 Months
Estradiol	E2	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	3 Months	2 Years

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Factor IIa, Anti	Anti FIIa	Coagulation	Chromogenic	3.2% Na Citrate Plasma	6 Days	6 Days	8 Days	8 Days
Factor III	Tissue Factor, TF	Coagulation	EIA	EDTA Plasma	1 Week	2 Weeks	3 Month (Ongoing)	3 Month (Ongoing)
Factor IX Activity, One Stage	FIX 1S	Coagulation	Clot Detection	Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
Factor IX Activity, Two Stage	FIX Activity Chromogenic	Coagulation	Chromogenic	Na Citrate Plasma	1 Week	1 Week	6 Months	4 Months
Factor IX Antigen	FIX, Factor IX antigen, FIX Ag	Coagulation	EIA	Citrate Plasma	N/A	2 Weeks	1 Month	12 Months
Factor IX Inhibitor	FIX Inhibitor	Coagulation	Chromogenic	Na Citrate Plasma	4 Hours	4 Hours	N/A	25 Months
Factor V Leiden R506Q Mutation		DNA	qPCR	DNA, Extracted	N/A	1 year	16 years	16 years
Factor VII Activity		Coagulation		3.2% Na Citrate Plasma	5 Days	5 Days	12 Months	12 Months
Factor VIII Activity, Biophen	FVIII:C	Coagulation	Chromogenic	Citrate Plasma	Not Stable	Not Stable	1 Month	12 Months
Factor VIII Antigen	FVIII:Ag	Coagulation	EIA	Na Citrate Plasma	3 Days	2 Weeks	10 Months	19 Months
Factor VIII Inhibitors		Coagulation	Chromogenic	3.2% Na Citrate Plasma	4 Hours	4 Hours	N/A	25 Months
Factor VIII One Stage	FVIII 1S	Coagulation	Clot Detection	Na Citrate Plasma	4 Hours	4 Hours	1 Month	12 Months
Factor X Antigen	FX	Coagulation	EIA	Citrate Plasma	N/A	2 Weeks	2 Weeks	4 Years and 8 Months
Factor Xa, Activity	Fxa	Coagulation	Clot Detection	3.2% Na Citrate Plasma	1 Day	1 Day	3 Months	12 Months
Factor Xa, Anti (Low molecular weight heparin Anti Xa)	LMWH Anti-Xa	Coagulation	Colorimetry	Citrate Plasma	2 Hours	24 Hours	8 Days	12 Months
Factor XIII, Activity	FXIII, transglutaminase, fibrin stabilizing factor	Coagulation	Spectrophotometry	Na Citrate Plasma	Not Stable	2 Weeks	9 Months	25 Months
Fatty Acid Binding Protein, Liver	L-FABP, FABP1, FABP-1	Lipid and Lipoprotein Metabolism	EIA	Urine	1 Day	2 Days	1 Month (Ongoing)	12 Months
Fatty Acids, Free	NEFA, FFA	Lipid and Lipoprotein Metabolism	Colorimetry	Serum	Not Stable	1 Week	12 Months	12 Months
Fecal Occult Blood	FOB, iFOB	Oncology	Immunochromatography	Feces	8 Days	6 Months	2 Years	N/A
Ferritin		Metabolic	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Fibrin Degradation Products	Fibrin Split Products, FDP, FSP	Coagulation	Hemagglutination	Na Citrate Plasma	8 Hours	3 Days	12 Months	12 Months
Fibrinogen		Coagulation	Nephelometry	EDTA Plasma	1 Week	1 Month	1 Year	N/A
Fibrinogen, Clauss		Coagulation	Clot Detection	Citrate Plasma	1 Week	3 Weeks	12 Months	25 Months
Fibroblast Activation Protein	FAP	Inflammation and Immunology	EIA	EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Fibroblast Growth Factor 19	FGF19	Metabolic	EIA	EDTA Plasma; Serum	1 Week	3 Weeks	12 Months	12 Months
Fibroblast Growth Factor 2	FGF-2, bFGF	Oncology	EIA	Serum; Urine	Serum: Not Stable; Urine: 3 Days	Serum: 2 Weeks; Urine: 2 Weeks	Serum: 7 Months; Urine: Not Stable	Serum: 12 Months; Urine: 5 Months
Fibroblast Growth Factor 21	FGF-21	Oncology	EIA	Serum	1 Week	3 Weeks	1 Year	19 Months
Fibroblast Growth Factor 23	FGF-23	Oncology	EIA	Serum	5 Days	1 Week	2 Years	11.5 Months
Fibroblast Growth Factor 23, C-terminal	FGF-23, cFGF-23	Renal	EIA	K2 EDTA Plasma	7 Days	14 Days	15 Months	20 Months
Fibroblast Growth Factor 23, Intact	FGF-23 (intact); iFGF-23	Renal	EIA	K2 EDTA Plasma	1 Day	1 Day	12 Months	12 Months
Fibronectin		Oncology	EIA	Serum	7 Days	2 Weeks	2 Months	10 Months
Fibulin 3	FBLN3, EFEMP1	Metabolic	EIA	Serum	1 Week	3 Weeks	12 Months	11 Months
Flow Cytometry, 26C IPT	CD197(CCR7), CD20, IgM, CD3, CD16, CD28, CD38,CD56 (NCAM), CD279 (PD-1), CD45RA, CD14, CD4, CD8, TCR g/d, IgD, CD141 (Thrombomodulin), CD25, CD11c, HLA-DR, CD127 (IL7Ra), CD1c, CD19, CD126, CD45, CD27, Viability ; 26C_IPT_Cryo	Flow Cytometry	Flow Cytometry	PBMC	24 Hours	24 Hours		
Flow Cytometry, B Cell Panel	CD45, CD19, CD24, CD27, CD38, CD20, CD21, IgM, IgD, Zombie Aqua		Flow Cytometry	EDTA Whole Blood	N/A	24 Hours	N/A	N/A
Flow Cytometry, CD16/56	CD16/56	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, CD19	CD19	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, CD3	CD3	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, CD4	CD4	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable

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Flow Cytometry, CD4/CD8 Ratio	CD4/CD8/TBNK	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, CD45	CD45	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, CD4CD8	RTG_CD4CD8_cPBMC, CD4, CD45, PD-1, Ki67, CD8, CD45RA, NKG2D, CD45RO, CD3	Flow Cytometry	Flow Cytometry	PBMC	24 Hours	24 Hours	N/A	Liquid Nitrogen - 3 Months
Flow Cytometry, CD8	CD8	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Whole Blood: 1 Day, Streck Cytochex Blood Collection Tubes: 14 Days	Whole Blood: 2 Days Streck Cytochex Blood Collection Tubes: 14 Days	Not Stable	Not Stable
Flow Cytometry, DC Panel	CD3, CD11c, HLA-DR, CD123, CD1c, XCR1, CD172a, CD303, CD141, Zombie Aqua	Flow Cytometry	Flow Cytometry	PBMC	Whole Blood: 1 Day	N/A	N/A	Liquid Nitrogen - 3 Months
Flow Cytometry, Enumeration of Erythrocytes	Type I and Type III Erythrocytes	Flow Cytometry	Flow Cytometry	EDTA Whole Blood	Not Stable	54 Hours	Not Stable	Not Stable
Flow Cytometry, Enumeration of PNH Granulocytes & Monocytes	Type II and Type III Granulocytes and Monocytes	Flow Cytometry	Flow Cytometry	EDTA Whole Blood	Not Stable	54 Hours	Not Stable	Not Stable
Flow Cytometry, Monocyte Panel	CD14, CD16, CD45, CD64, CD163, CD172a, HLA-DR, Zombie Aqua	Flow Cytometry	Flow Cytometry	PBMC	Whole Blood: 1 Day	N/A	N/A	TBD
Flow Cytometry, NK Panel	CD4, CD25, FoxP3, Ki67, CD45, CD16, NKG2D, CD56, CD3, Zombie Aqua	Flow Cytometry	Flow Cytometry	PBMC	Whole Blood: 1 Day	Whole Blood: 1 Day	N/A	Liquid Nitrogen - 3 Months
Flow Cytometry, T Cell Panel (PBMC)	CD4, TIM-3, PD-1, LAG-3, CD8, CD25, CD127, HLA-DR, CD3	Flow Cytometry	Flow Cytometry	PBMC	Whole Blood: 2 Days	N/A	N/A	Liquid Nitrogen - 6 Months
Flow Cytometry, T Cell Panel (Whole Blood)	CD4, TIM-3, PD-1, LAG-3, CD8, CD25, CD127, HLA-DR, CD3	Flow Cytometry	Flow Cytometry	K2 EDTA Whole Blood	72 hours	96 hours	N/A	N/A
Folate		Nutritional	ECLIA	Serum	Not Stable	2 Days	1 Month	13 Years
Folicle Stimulating Hormone	FSH	Endocrinology and Diabetes	ECLIA	Serum	2 Weeks	2 Weeks	3 Months	2 Years
Free Light Chains Ratio, Kappa to Lambda, Serum	KL Ratio, sFLC	Inflammation and Immunology	Nephelometry	Serum	Kappa: 3 Days; Lambda 2 Days	Kappa: 2 Weeks; Lambda 1 Week	Kappa: 12 Months; Lambda: 12 Months	Kappa: 12 Months; Lambda: 12 Months
Fructosamine		Endocrinology and Diabetes	Colorimetry	Serum	2 Weeks	2 Weeks	7 Months	N/A
Galactose-Deficient IgA1	Gd-IgA1	inflammation and Immunology	EIA	Serum	1 Week	1 Week	3 Months	20 Months
Galectin-3		Metabolic	EIA	Serum	24 Hours	1 Week	12 Months	40 Months
Gamma Glutamyl Transferase	GGT	Metabolic	Kinetic	Serum	3 Weeks	3 Months	1 Year	1 Year
Gamma Glutamyl Transferase, IFCC	GGT (IFCC)	Metabolic	Colorimetry	EDTA Plasma; Serum	3 Weeks	3 Months	1 Year	1 Year
Gastric Inhibitory Polypeptide	Glucose-dependent Insulinotropic Polypeptide, GIP	Endocrinology and Diabetes	EIA	EDTA P800 Tube	8 Days	8 Days	7 Months	13 Months
Gastrin		Gastrointestinal	Immunochemiluminiscence	Serum				
Ghrelin (Total)		Endocrinology and Diabetes	EIA	EDTA P800 Tube	1 Day	8 Days	288 Days	288 Days
Glial Fibrillary Acidic Protein	GFAP	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Weeks	12 Months	9 Months
Glial fibrillary acidic protein (Roche)	GFAP		ECLIA	EDTA Plasma;#Serum	7 Days	14 Days	14 Days	14 Days
Globulin		Metabolic	Calculation		N/A	N/A	N/A	N/A
Glucagon Like Peptide - 1, Total	GLP-1 Total	Endocrinology and Diabetes	EIA	EDTA P800 Tube	1 Week	1 Month	11 Months	11 Months
Glucagon, Mercodia	Glucagon	Endocrinology and Diabetes	EIA	EDTA P800 Tube	1 Day	7 Days	9 Months (ongoing)	9 Months (ongoing)
Glucagon, R&D		Endocrinology and Diabetes	EIA	EDTA P800 Tube	3 Days	2 Weeks	1 Year	1 Year
Glucose (Blood)		Metabolic	Photometric	Serum	2 Weeks	1 Month	1 Year	1 Year
Glucose (Urine)		Metabolic	Photometric	Urine	5 Days	2 Weeks	1 Year	1 Year
Glutamate Dehydrogenase (GLDH)	GLDH	Metabolic	Photometric	Serum	2 Days	2 Weeks	12 Months	11 Months
Glutamate Dehydrogenase (GLDH)	GLDH	Metabolic	Enzymatic	Serum	2 Days	2 Weeks	12 Months	11 Months
Glypican-3 (GPC3)	GCP3	Oncology	EIA	Serum	Not Stable	Not Stable	2 Weeks	6 Months
Granulocyte-Macrophage Colony Stimulating Factor (Meso Scale Cytokine V-Plex)	GM-CSF	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	7 Days	2 Weeks	13 Months	11 Months
Granzyme B		Inflammation and Immunology	EIA	Serum	1 Day	5 Days	12 Months	11 Months
Growth Hormone	GH	Endocrinology	Immunochemiluminiscence	Serum	1 Week	2 Weeks	5 Months	5 Months
Haptoglobin		Inflammation and Immunology	Nephelometry	Serum	1 Week	3 Weeks	1 Month	1 Month
Hemoglobin A (Electrophoresis)	Hemoglobin A	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin A1c	HBA1c	Endocrinology and Diabetes	HPLC	EDTA Whole Blood; Fluoride Whole Blood	1 Week	2 Months	10 Days	1 Year
Hemoglobin A2	HbA2	Hematology	HPLC	EDTA Whole Blood	48 Hours	7 Days	Not Stable	7 Days

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Hemoglobin A2 (Electrophoresis)	Hb A2	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin C (Electrophoresis)	Hb C Electrophoresis	Hematology	Electronic Impedance	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin D (Electrophoresis)	HbD Electrophoresis	Hematology	Electronic Impedance	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin E (Electrophoresis)	HbE Electrophoresis	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin F	Fetal Hemoglobin, HbF	Hematology	HPLC	EDTA Whole Blood	48 Hours	7 Days	Not Stable	7 Days
Hemoglobin F (Electrophoresis)	HbF Electrophoresis	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin S	HbS	Hematology	HPLC	EDTA Whole Blood	48 Hours	7 Days	Not Stable	7 Days
Hemoglobin S (Electrophoresis)	Hb S Electrophoresis	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin, Free Plasma	Plasma Hb, Plasma Hgb	Hematology	Spectrophotometry	EDTA Plasma	1 Week	3 Weeks	12 Months	12 Months
Hemoglobin, Free Plasma	Plasma Hb, Plasma Hgb	Chemistry	Colorimetry	Lithium Heparin Plasma	1 Week	3 Weeks	3 Months (ongoing)	3 Months (ongoing)
Heparin, Unfractionated	Anti Factor Xa Activity	Coagulation	Photometric	3.2% Na Citrate Plasma	2 Hours	1 Day	8 Days	1 Month
Hepatitis A Virus Antibody, IgM	Anti HAV IgM	Infectious Disease	ECLIA	Serum	2 Hours	1 Week	3 Months	3 Months
Hepatitis A Virus Antibody, Total	Anti HAV	Infectious Disease	ECLIA	Serum	N/A	1 Week	3 Months	N/A
Hepatitis B core Antibody, IgM	Anti HBc IgM	Infectious Disease	ECLIA	Serum	N/A	6 Days	3 Months	N/A
Hepatitis B core Antibody, Total	Anti HBc Total	Infectious Disease	ECLIA	Serum	7 Days	14 Days	3 Months	N/A
Hepatitis B DNA	HBV DNA	Infectious Disease	RT-PCR	EDTA Plasma; Serum	1 Day	3 Days	1 Year	1 Year
Hepatitis B Envelope Antibody	Anti HBe	Infectious Disease	ECLIA	Serum	N/A	5 Days	3 Months	N/A
Hepatitis B Envelope Antigen (Qualitative)	HBeAg	Infectious Disease	ECLIA	Serum	N/A	7 Days	3 Months	3 Months
Hepatitis B Envelope Antigen (Quantitative)	HBeAg	Infectious Disease	ECLIA	Serum	N/A	7 Days	3 Months	3 Months
Hepatitis B Surface Antibody	HBs Ab	Infectious Disease	ECLIA	Serum	3 Days	6 Days	3 Months	N/A
Hepatitis B Surface Antigen (Qualitative)	HBs Ag	Infectious Disease	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Hepatitis B Surface Antigen Confirmatory (Qualitative)	HBs Ag Confirmatory	Infectious Disease	ECLIA	Serum	1 Week	1 Week	3 Months	3 Months
Hepatitis B Virus Genotyping		Infectious Disease	Sanger DNA Sequencing	K2 EDTA Plasma				
Hepatitis C Virus Antibody	Anti HCV	Infectious Disease	ECLIA	Serum	3 Days	3 Weeks	3 Months	3 Months
Hepatitis C Virus RNA Qualitative	HCV RNA Qual	Infectious Disease	RT-PCR	EDTA Plasma; Serum	1 Day	3 Days	2 Months	2 Months
Hepatitis C Virus RNA Quantitative	HCV RNA Quant	Infectious Disease	RT-PCR	EDTA Plasma; Serum	1 Day	3 Days	2 Months	2 Months
Hepatitis E Virus Antibody, IgG		Infectious Disease	CLIA	Serum	48 Hours	48 Hours	1 Year	1 Year
Hepatitis E Virus Antibody, IgM		Infectious Disease	CLIA	Serum	48 Hours	48 Hours	3 weeks	3 Weeks
Hepatitis E Virus RNA	Hepatitis E Viral Load	Infectious Disease	qPCR	Serum	24 Hours	1 Week	1 Year	1 Year
Hepatocyte Growth Factor	HGF	Inflammation and Immunology	EIA	Serum	1 Week	1 Week	15 Months	15 Months
Hepcidin		Infectious Disease	EIA	Serum	1 Day	1 month	11 Months	11 Months
High Mobility Group Protein B1	HMGB1	Oncology	EIA	Serum	Not Stable	1 Week	1 Week	3 Months (ongoing)
Histology Stain, CD19		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, CD20		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, CD3		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, CD4		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, CD68		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, CD8		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Estrogen Receptor		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, FoxP3		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Hematoxylin and Eosin	H&E Stain	Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, HER2 4B5		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Ki67		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, LAG-3		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Mesothelin (SP74)		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, PD-L1 22C3		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A

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Histology Stain, PD-L1 28-8		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, PD-L1 SP263		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Progesterone Receptor		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Reticulin		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, TIM-3		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology Stain, Trichrome		Histology		Formalin Fixed Paraffin Embedded Tissue;#Unstained Tissue Slide	10+ Years	N/A	N/A	N/A
Histology, Formalin Fixed Paraffin Embedded Tissue Processing	FFPE	Histology		Fresh Tissue	10+ Years	N/A	N/A	N/A
Homocysteine		Cardiovascular	Enzymatic	Serum	2 Weeks	3 Weeks	2 Years	2 Years
HSD17B13 rs72613567 SNP by qPCR	Detection of rs72613567 SNP on the human HSD17B13 gene by qPCR	Metabolic	qPCR	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
Human Herpesvirus 6 DNA	HHV6, HHV6 Viral Load, HHV-6 PCR	Infectious Disease	PCR	EDTA Plasma; Urine; CSF	2 Days	7 Days	6 Months	6 Months
Human Immunodeficiency Virus 1 &2 p24	HIV p24	Infectious Disease	ECLIA	Serum	7 Days	4 Weeks	3 Months	3 Months
Human Immunodeficiency Virus Diff 1 &2		Infectious Disease	Immunochromatography	Serum	2 Days	7 Days	3 Months	3 Months
Human Immunodeficiency Virus Type 1 and Type 2 by RT-PCR	HIV 1 and 2 RNA	Infectious Disease	RT-PCR	Serum; EDTA Plasma	1 Days	7 Days	6 Months (Ongoing)	6 Months (Ongoing)
Human Immunodeficiency Virus Type 1 by RT-PCR	HIV-1 by RT-PCR	Infectious Disease	RT-PCR	EDTA Plasma	48 Hours	72 Hours	2 Months (ongoing)	2 Months (ongoing)
Human Metapneumonia Virus, Genotyping	MPV Genotyping	Infectious Disease	Sanger DNA Sequencing	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Human Metapneumovirus A+B (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Human Platelet Factor 4	CXCL4, PF4	Oncology	EIA	Serum	1 Day	1 Day	3 weeks	4 months
Human ST2	IL-1 R4	Inflammation and Immunology	Immunofluorescence	Serum	7 Days	2 Weeks	12 Months	12 Months
Huntington's Disease Genoyping	HD Genotype	Neurologic	Fragment Analysis	K2 EDTA Plasma	48 Hours	14 Days	Not Stable	2 Years
Hyaluronic Acid	HA	Inflammation and Immunology	Immunochemiluminiscence	Serum	7 Days	1 Month	11 Months	16 Months
iC3b	Inactivated b fragment of the C3 protein		EIA	EDTA Plasma	4 Hours	1 Day	0 Days	2 Months
Immunofixation, Serum		Nephrology	Electrophoresis	Serum	Not Stable	1 Week	1 Month	1 Month
Immunofixation, Urine		Nephrology	Electrophoresis	Urine	Not Stable	1 Week	1 Month	1 Month
Immunoglobulin A	IgA	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	11 Months	11 Months
Immunoglobulin D	IgD	Inflammation and Immunology	Nephelometry	Serum	1 Week	1 Week	18 Months	18 Months
Immunoglobulin E	IgE	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	11 Months	11 Months
Immunoglobulin G	IgG	Inflammation and Immunology	Nephelometry	Serum	1 Week	1 Week	11 Months	11 Months
Immunoglobulin G (Urine)	IgG, urine	Inflammation and Immunology	Nephelometry	Urine	3 Days	2 Weeks	3 Days	1 Week
Immunoglobulin G, Subclasses 1-4	IgG1, IgG2, IgG3, IgG4	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	18 Months	18 Months
Immunoglobulin M	IgM	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	4 Months	4 Months
Influenza A (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Influenza A H1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Influenza A H1N1 pdm09 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Influenza A H3 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Influenza B (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Inhibin B		Endocrinology	EIA	Serum	2 Weeks	2 Weeks	12 Months	12 Months
Insulin		Endocrinology and Diabetes	ECLIA / Fluorimmunoassay	EDTA Plasma; Lithium Heparin Plasma; Serum	1 Day	3 Weeks	6 Months	6 Months
Insulin Growth Factor - 1	IGF-1	Endocrinology	Immunochemiluminiscence	Serum	1 Week	2 Weeks	12 Months	12 Months
Intercellular Adhesion Molecule 1	ICAM-1, sICAM-1, CD54	Inflammation and Immunology	EIA	EDTA Plasma; Serum	9 days	2 weeks	12 months	52 Months
Interferon alpha	IFN-α	Inflammation and Immunology	EIA	Serum; EDTA Plasma	6 Days	3 Weeks	12 Months	12 Months
Interferon beta	IFN-β	Inflammation and Immunology	EIA	Serum	4 Hours	1 Day	12 Months	12 Months
Interferon gamma (Mesoscale Proinflammatory V-Plex)	IFNgamma, IFNγ	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum and Plasma: 3 Days; CSF: 0 Days	Serum and Plasma: 2 Weeks; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 11 Months; CSF: 0 Days
Interferon gamma (Meso Scale Proinflammatory S-Plex)	IFNgamma		ECLIA	Serum;#EDTA Plasma	3 Days	2 Weeks	11 Months	11 Months

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Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Interferon gamma-induced Protein 10 (Meso Scale Chemokine V-Plex)	IP-10	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: Not Stable, EDTA Plasma: 3 Days	Serum: Not Stable, EDTA Plasma 4 Days	Serum: 13 Months, EDTA Plasma: 13 Months	Serum: 13 Months, EDTA Plasma: 13 Months
Interleukin -18 Binding Protein	IL-18BP		EIA	Serum	7 Days	2 Weeks	9 Months	11 Months
Interleukin-1 Receptor Antagonist	IL-1ra	Inflammation and Immunology	EIA	Serum	3 Days	2 Weeks	12 Months	66 Months
Interleukin-10 (Meso Scale Proinflammatory V-Plex)	IL-10	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum and Plasma: 3 Days; CSF: 0 Days	Serum and Plasma: 3 Days; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 95 Months; CSF: 1 Month
Interleukin-10 (Meso Scale Proinflammatory S-Plex)	IL-10		ECLIA	Serum;#EDTA Plasma	Plasma: 3 days; Serum: 3 days	Plasma: 3 days; Serum: 3 days	Plasma: 11 Months; Serum: 51 Months	Plasma: 95 Months; Serum: 11 Months
Interleukin-12/Interleukin-23 p40 (Meso Scale Cytokine V-Plex)	IL-12/IL-23p40	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 3 Days, EDTA Plasma: 8 Days	Serum: 2 Weeks, EDTA Plasma: 2 Weeks	1 Year	1 Year
Interleukin-12p70 (Meso Scale Proinflammatory S-Plex)	IL-12p70		ECLIA	Serum;#EDTA Plasma	Plasma: 7 Days; Serum: 3 Days	Plasma: 2 Weeks; Serum: 2 Weeks	Plasma: 11 Months; Serum: 11 Months	Plasma: 11 Months; Serum: 51 Months
Interleukin-12p70 (Meso Scale Proinflammatory V-Plex)	IL-12p70	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum: 3 Days; EDTA-Plasma: 1 Week; CSF: 0 Days	Serum: 3 Days; EDTA-Plasma: 2 Weeks; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 1 Month
Interleukin-13 (Meso Scale Proinflammatory V-Plex)	IL-13	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum: 1 Day; EDTA-Plasma: 3 Days; CSF: 0 Days	Serum: 1 Day; EDTA-Plasma: 3 Days; CSF: 0 Days	Serum: 11Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 11Months; EDTA-Plasma: 11 Months; CSF: 1 Month
Interleukin-15 (Meso Scale Cytokine V-Plex)	IL-15	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Not Stable	Not Stable	10 Months	10 Months
Interleukin-17a (Meso Scale Cytokine V-Plex)	IL-17a	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 1 Day, EDTA Plasma: Not Stable	Serum: 1 Day, EDTA Plasma: 2 Days	Serum: 11 Months, EDTA Plasma: 11 Months	Serum: 11 Months, EDTA Plasma: 11 Months
Interleukin-17A (Meso Scale Proinflammatory S-Plex)	IL-17A		ECLIA	Serum;#EDTA Plasma	Serum: 1 Day; Plasma: 0 Hours	Serum: 1 Day; Plasma: 2 Days	Serum: 11 Months; Plasma: 11 Months	Serum: 11 Months; Plasma: 11 Months
Interleukin-18	IL-18, IL-1F4	Inflammation and Immunology	EIA	Serum	7 Days	2 Weeks	12 Months	12 Months
Interleukin-1α(Meso Scale Cytokine V-Plex)	IL-1α	Inflammation and Immunology	EIA	EDTA Plasma; Serum	Serum: Not Stable, EDTA Plasma: 7 Days	Serum: 3 Days, EDTA Plasma: Not Stable	Serum: 13 Months, EDTA Plasma: 10 Months	Serum: 13 Months, EDTA Plasma: 10 Months
Interleukin-1β (Meso Scale Proinflammatory V-Plex)	IL-1β, IL-1beta	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	Serum: Not Stable; EDTA Plasma: 1 Day	Serum: Not Stable; EDTA Plasma: 1 Day	Serum: 51 Months; EDTA-Plasma: 10 Months	Serum: 51 Months; EDTA-Plasma: 95 Months
Interleukin-1β (Meso Scale Proinflammatory V-Plex)	IL-1β, IL-1beta	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum: Not Stable; EDTA-Plasma: 1 Day; CSF: 0 Days	Serum: Not Stable; EDTA-Plasma: 1 Day; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 95 Months; CSF: 1 Month
Interleukin-2 (Meso Scale Proinflammatory V-Plex)	IL-2	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum: 7 Days; EDTA-Plasma: Not Stable; CSF: 0 Days	Serum: 2 Weeks; EDTA-Plasma: 2 Weeks; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 1 Month
Interleukin-2 (Meso Scale Proinflammatory S-Plex)	IL-2		ECLIA	EDTA Plasma;#Serum	Serum: 7 Days; Plasma:0 Days	Serum: 2 Weeks; Plasma: 2 Weeks	Serum : 51 Months; Plasma: 11 Days	Serum: 51 Months; Plasma: 11 Months
Interleukin-2 Receptor alpha	IL-2Ra	Inflammation and Immunology	EIA	Serum	7 Days	2 Weeks	12 Months	36.5 Months
Interleukin-22	IL-22	Inflammation and Immunology	EIA	EDTA Plasma; Heparin Plasma; Serum	Not Stable	Not Stable	N/A	N/A
Interleukin-31	IL-31	Inflammation and Immunology	EIA	EDTA Plasma	Ongoing	Ongoing	Ongoing	Ongoing
Interleukin-4 (Meso Scale Proinflammatory V-Plex)	IL-4	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum: 1 Day; EDTA-Plasma: 3 Days; CSF: 0 Days	Serum: 2 Weeks; EDTA-Plasma: 3 Days; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 11 Months; EDTA-Plasma: 11 Months; CSF: 1 Month
Interleukin-5 (Meso Scale Cytokine V-Plex)	IL-5	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Not Stable	Not Stable	10 Months	10 Months
Interleukin-6 (Meso Scale Proinflammatory S-Plex)	IL-6		ECLIA	Serum;#EDTA Plasma	Serum: 7 Days; Plasma: 7 Days	Serum: 2 Weeks; Plasma: 2 Weeks	Serum: 51 Months; Plasma: 11 Months	Serum: 51 Months; Plasma: 95 Months
Interleukin-6 (Meso Scale Proinflammatory V-Plex)	IL-6	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum and Plasma: 1 Week; CSF: 0 Days	Serum and Plasma: 2 Weeks; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 95 Months; CSF: 1 Month
Interleukin-6 High Sensitivity	hsIL-6	Inflammation and Immunology	EIA	Serum	1 Week	2 Weeks	1 Year	1 Year
Interleukin-7 (Meso Scale Cytokine V-Plex)	IL-7	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 3 Days; EDTA Plasma: 8 Days	Serum: 2 Weeks; EDTA Plasma: Not Stable	Serum: 1 Year; EDTA-Not Stable	Serum: 1 Year; EDTA-Not Stable
Interleukin-8 (Meso Scale Proinflammatory V-Plex)	IL-8	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum and Plasma:1 Week; CSF: 0 Days	Serum and Plasma: 2 Weeks; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 95 Months; CSF: 1 Month
Iron		Metabolic	Photometric	Serum	2 Weeks	3 Weeks	1 Year	1 Year
Iron Binding Capacity, Total	TIBC	Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Iron Binding Capacity, Unsaturated	UIBC	Metabolic	Photometric	Serum	2 Weeks	1 Month	1 Year	1 Year
JO-1 Antibody	JO-1	Inflammation and Immunology	Fluorimmunoassay	serum	8 Hours	2 Weeks	2 Weeks (Ongoing)	2 Weeks (Ongoing)

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Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
John Cunningham Virus	JCV; JC Virus PCR; JCV Viral Load	Infectious Disease	PCR	EDTA Plasma; Urine	Not Stable	Not Stable	6 Months (Ongoing)	6 Months
Kidney Injury Molecule - 1	KIM-1	Nephrology	EIA	Urine	1 Week	1 Week	22 Months	22 Months
Kidney Injury Molecule - 1	KIM-1	Nephrology	EIA	Lithium Heparin Plasma	1 Week	1 Week	2 Weeks (Ongoing)	3 Months (Ongoing)
La Antibody, IgG		Inflammation and Immunology	Immunoassay	Serum;EDTA Plasma	N/A	2 Weeks	1 Month (ongoing)	1 Month (ongoing)
Lactate		Metabolic	Enzymatic	Fluoride Plasma	2 Hours	2 Weeks	1 Year	1 Year
Lactate Dehydrogenase	LDH	Metabolic	Enzymatic	Serum	2 Weeks	2 Weeks	1 Month	1 Year
Lactate Dehyrdrogenase Isoenzyme	LDH Isoenzyme	Cardiovascular	Electrophoresis	Serum	9 Days	3 Days	N/A	N/A
Leptin		Endocrinology and Diabetes	EIA	Citrate Plasma; EDTA Plasma; Heparin Plasma; Serum	1 Week	3 Weeks	14 Months	14 Months
Lipase		Metabolic	Enzymatic	Serum	1 Week	2 Weeks	1 Year	1 Year
Lipoprotein (a), AU/ Randox	Lp(a)	Lipid and Lipoprotein Metabolism	Immunoturbidity	Serum	4 Days	2 Weeks	6 Months	9 Years
Lipoprotein (a), Beckman Coulter	Lp(a) (molar)	Lipid and Lipoprotein Metabolism	Immunoturbidity	Serum	4 Days	2 Weeks	6 Months	9 Years
Lipoprotein (a), Roche Cobas	Lp(a) Molar	Lipid and Lipoprotein Metabolism	Particle enhanced immunoturbidimetry	Serum	4 Days	2 Weeks	6 Months	9 Years
Lipoprotein (a), Siemens BNII	Lp(a) (mass)	Lipid and Lipoprotein Metabolism	Nephelometry	EDTA Plasma; Heparin Plasma; Serum	4 Days	2 Weeks	6 Months	9 Years
Lipoprotein(a)-cholesterol	Lp(a)-C	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma;#Serum	4 Hours	4 Hours	3 Months	12 Months
Lipoprotein-associated Phospholipase A2 Activity	Lp-PLA2 Activity	Lipid and Lipoprotein Metabolism	Photometric	EDTA Plasma; Serum	1 Day	2 Weeks	18 Months	2 Years
Lupus Anticoagulant		Inflammation and Immunology	Clot Detection	3.2% Na Citrate Plasma	4 Hours	N/A	2 Weeks	6 Months
Luteinizing Hormone	LH	Endocrinology and Diabetes	ECLIA	Serum	2 Weeks	2 Weeks	6 Months	2 Years
Macrophage Colony Stimulating Factor 1	M-CSF	Inflammation and Immunology	EIA	Serum	2 Hours	5 Hours	Not Stabe	12 Months
Macrophage Derived Chemokine (Meso Scale Chemokine V-Plex)	MDC	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 4 Days, EDTA Plasma: 1 Day	Serum: 2 Weeks, EDTA Plasma: 2 Weeks	Serum: 11 Months, EDTA Plasma: 13 Months	Serum: 11 Months, EDTA Plasma: 13 Months
Macrophage Inflammatory Protein 1, alpha	MIP, alpha	Inflammation and Immunology	EIA	Serum	1 Week	2 Weeks	1 Year	1 Year
Macrophage Inflammatory Protein 1, beta (Meso Scale Chemokine V-Plex)	MIP-1b	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 3 Days; EDTA plasma: 8 Days	Serum: 3 Days; EDTA plasma:2 Weeks	1 Year	1 Year
Macrophage Inflammatory Protein 1-alpha (Meso Scale Chemokine V-Plex)	MIP-1alpha	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	7 Days	2 Weeks	13 Months	13 Months
Macrophage Inhibitory Cytokine 1	MIC-1, GDF-15	Inflammation and Immunology	EIA	Serum	1 Week	3 Weeks	12 Months	12 Months
Magnesium (Blood)	Mg	Metabolic	Endpoint Photometric	Serum	2 Weeks	2 Weeks	1 Year	1 Year
Magnesium (Urine)	Mg	Metabolic	Endpoint Photometric	Urine	1 Week	2 Weeks	1 Year	1 Year
Matrix Metalloproteinase 1	MMP-1	Inflammation and Immunology	ECLIA	EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Matrix Metalloproteinase 2	MMP-2	Coagulation	EIA	Serum	4 Days	4 Weeks	8 Months	12 Months
Matrix Metalloproteinase 3	MMP-3	Inflammation and Immunology	ECLIA	EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Matrix Metalloproteinase 8	MMP-8	Inflammation and Immunology	ECLIA	EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Matrix Metalloproteinase 9	MMP-9	Inflammation and Immunology	ECLIA	EDTA Plasma	1 Week	2 Weeks	12 Months	12 Months
Matrix Metalloproteinase-12	MMP-12	Infectious Disease	EIA	Serum	1 Day	1 Week	2 Months	7 Months
Matrix metalloproteinase-7	MMP-7	Cardiovascular	EIA	Serum	1 Week	1 Week	2 Months (Ongoing)	2 Months (Ongoing)
Mesothelin	Mesothelin	Oncology	EIA	Serum	7 Days	2 Weeks	14 Months	14 Months
Microbiology - Carbapenemase Detection	Carba5	Microbiology	EIA	Isolate	N/A	N/A	N/A	N/A
Microbiology - Culture, Urine (Quantitative)		Microbiology	Culture, Microbiology Manual	Urine	72 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Culture, Vaginal		Microbiology	Culture, Microbiology Manual	Vaginal Swab	48 Hours	48 Hours	Unacceptable	Unacceptable
Microbiology - Culture, Wound/Abscess		Microbiology	Culture, Microbiology Manual	Swab	48 Hours	48 Hours	Unacceptable	Unacceptable
Microbiology - Gram Stain		Microbiology						
Microbiology - Isolate DNA Extraction, Manual; Gram Negative		Microbiology	DNA Extraction	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate DNA Extraction, Manual; Gram Positive		Microbiology	DNA Extraction	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate DNA Extraction, Manual; Yeast		Microbiology	DNA Extraction	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate Identification, Aerobic		Microbiology	MALDI_TOF MS (Bruker)	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate Identification, Anaerobic		Microbiology	MALDI_TOF MS (Bruker)	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate Identification, Other		Microbiology	MALDI_TOF MS (Bruker)	Isolate	N/A	N/A	N/A	N/A
Microbiology - Isolate Identification, Yeast		Microbiology	MALDI_TOF MS (Bruker)	Isolate	N/A	N/A	N/A	N/A
Microbiology - Stool Culture, Aeromonas		Microbiology	Culture, Microbiology Manual	Feces				
Microbiology - Stool Culture, Campylobacter		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Clostridioides difficle		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Comprehensive		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Escherichia coli O157		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable

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Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Microbiology - Stool Culture, Listeria		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Plesiomonas		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Salmonella and Shigella		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Vibrio		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Stool Culture, Yersinia		Microbiology	Culture, Microbiology Manual	Feces	48 Hours	72 Hours	Unacceptable	Unacceptable
Microbiology - Susceptibility, Agar Dilution - Custom Panels		Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Microbiology - Susceptibility, Broth Microdilution - Aerobic	BMD	Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Microbiology - Susceptibility, Broth Microdilution - Anaerobic	BMD	Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Microbiology - Susceptibility, Broth Microdilution - Custom Panel	BMD, M100, CLSI M100	Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Microbiology - Susceptibility, Broth Microdilution - Yeast	BMD, M27, CLSI M27	Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Microbiology - Susceptibility, Disk Diffusion - Custom Panels	Disk Diffusion, Agar Diffusion, E-test	Microbiology	Antimicrobial Susceptibility Testing	Isolate	N/A	N/A	N/A	N/A
Midkine		Oncology	EIA	Citrate Plasma; Heparin Plasma; Serum	1 Week	1 Week	3 Months	3 Months
Monocyte Chemoattractant Protein-1 (Meso Scale Chemokin V-Plex)	MCP-1	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	7 Days	2 Weeks	13 Months	13 Months
Monocyte Chemoattractant Protein-4 (Meso Scale Chemokine V-Plex)	MCP-4	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	7 Days	2 Weeks	13 Months	13 Months
Monocyte Chemotactic Protein-1 (Blood)	CCL2, MCP-1	Cardiovascular	EIA	EDTA Plasma; Serum	2 Weeks	2 Weeks	14.5 Months	14.5 Months
Monocyte Chemotactic Protein-1 (Urine)	CCL2, MCP-1	Cardiovascular	EIA	Urine	2 Weeks	2 Weeks	17 Months	17 Months
Mycoplasma pneumoniea (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Myeloperoxidase (MPO)	MPO	Cardiovascular	EIA	EDTA Plasma	1 Week	2 Weeks	12 Months	12 Months
Myoglobin	MYO	Cardiovascular	ECLIA	Serum	1 Week	1 Month	11 Months	11 Months
Myoglobin (Urine)	MYO	Cardiovascular	ECLIA	Urine	Not Stable	1 Week	10 Months	10 Months
Myostatin	GDF-8		EIA	Serum	24 Hours	4 Days	7 Months	17 Months
N-Acetyl-ß-D-Glucosaminidase, Urine	NAG	Nephrology	Enzymatic	Urine	1 Week	1 Month	1 Month	4 Months
Nephrin, Urine		Nephrology	EIA	Urine	48 Hours	1 Week	3 Months	9 Months
Neurofilament Light Chain	NFL	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Weeks	12 Months	12 Months
Neuron Specific Enolase	NSE	Oncology	ECLIA	Serum	<1 Day	1 Day	3 Months	3 Months
Neutrophil Elastase	Neutrophilic Elastase, Elastase	Inflammation and Immunology	EIA	Platelet Poor EDTA Plasma	7 Days	2 Weeks	3 Weeks	18 Months
Neutrophil gelatinase-associated lipocalin (Blood)	NGAL	Nephrology	Immunoturbidity	EDTA Plasma	2 Days	1 Week	6 Months	6 Months
Neutrophil gelatinase-associated lipocalin (Urine)	NGAL	Nephrology	Immunoturbidity	Urine	2 Days	1 Week	11 months	11 months
Norovirus	Norovirus GI and GII	Infectious Disease	qPCR	Feces				
N-Telopeptides of Bone Type I Collagen,Cross-linked (Urine)	NTX, Urine	Bone Marker	EIA	Urine	1 Day	3 Days	4 Months	21 Months
N-Terminal pro-peptide of type III collagen (PRO-C3)	PRO-C3		ECLIA	Serum	2 Days	7 Days	12 Weeks	24 Months
Osmolality	Osmo	Nephrology	Freezing Point Depression	Urine; Serum	7 Days	2 Weeks	Urine: 14 Months Serum: 13 Months	Urine: 14 Months Serum: 13 Months
Osteocalcin		Musculoskeletal	ECLIA	EDTA Plasma; Serum	8 Hours	3 Days	3 Months	2 Years
Osteopontin	OPN, T lymphocyte activation 1 (Eta-1)	Bone Marker	EIA	EDTA Plasma; Urine	EDTA Plasma: 8 Days; Urine: 4 Hours	EDTA Plasma: 3 Days; Urine: 2 Days	EDTA Plasma: 12 Months; Urine: 2 Days	EDTA Plasma: 12 Months; Urine: 11 Months
Oxalate (Urine)		Nephrology	Photometric	Urine	7 Days	2 Weeks	1 Month (Ongoing)	1 Month (Ongoing)
Oxidized LDL	OxLDL	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma; Serum	1 Day	8 Days	5 Months	12 Months
Oxyntomodulin	OXM	Endocrinology and Diabetes		EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Parainfluenze Virus 1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Parainfluenze Virus 2 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Parainfluenze Virus 3 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Parainfluenze Virus 4 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Paraoxonase PON1	PON1	Cardiovascular	Kinetic	Serum	1 Week	2 Weeks	2 Months	2 Months
Parathyroid Hormone, Intact	PTH	Musculoskeletal	ECLIA	EDTA Plasma; Serum	Serum: Not Stable Plasma: 3 Days	Serum: 8 Days Plasma: 3 days	Serum: 1 Year Plasma: 3 months (ongoing)	Serum: 1 Year Plasma: 3 months (ongoing)
Partial Thromboplastin Time, Activated	APTT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	1 Day	2 Days	6 Months	25 Months
PCSK9 (R&D Systems)		Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma; Serum	3 Days	1 Months	2 Months	61 Months

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Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
PCSK9, Proprotein convertase sutilisin kexin 9	PCSK9	Metabolic	EIA	EDTA Plasma; Serum	1 Week	1 Month	Not Stable	28 Months
Pentraxin 3	PTX3	Cardiovascular	EIA	EDTA Plasma; Serum	4 Hours	Not Stable	12 Months	12 Months
Pepsinogen I			EIA	EDTA Plasma	3 Days	3 Days	3 Months	3 Months
Pepsinogen II			EIA	EDTA Plasma	7 Days	2 Weeks	3 Months	3 Months
Peptide YY	PYY	Endocrinology and Diabetes	EIA	EDTA P700 Tube; EDTA P800 Tube	1 Week	1 Month	1 Year	1 Year
Peripheral Blood Mononuclear Cells (PBMC)	PBMC	Various	Centrifugation	Citrate Whole Blood; EDTA Whole Blood; Sodium Heparin Whole Blood	48 Hrs	N/A	N/A	N/A
Phospholipase A2 Receptor, IgG	Anti-PLAR2, IgG	Nephrology	EIA	Serum	24 Hours	7 Days	5 Days	12 Months
Phosphorous (Blood)		Metabolic	Endpoint Photometric	Serum	7 Days	1 Month	1 Year	1 Year
Phosphorous (Urine)		Metabolic	Endpoint Photometric	Urine	1 Week	2 Weeks	1 Year	1 Year
Plasminogen Activator Inhibitor, Type 1 Activity	PAI-1 Activity, PAI-1	Coagulation	Chromogenic	Citrate Plasma	2 Hours	4 Hours	2 Weeks	24 Months
Plasminogen Activator Inhibitor, Type 1 Antigen	PAI-1 Antigen, PAI-1	Coagulation	EIA	Citrate Plasma, EDTA Plasma	4 Hours	4 Hours	18 Months	20 Months
Plasminogen Activity		Coagulation	Colorimetry	3.2% Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
Plasminogen Concentration			Nephelometry	Na Citrate Plasma	7 Days	14 Days	12 Months	12 Months
Platelet-Derived Growth Factor AB	PDGF-AB	Cardiovascular	EIA	Serum	2 Days	1 Week	6 Months	13 Months
PNPLA3 rs738409 SNP by PCR	Detection of rs738409 SNP on the human PNPLA3 gene by qPCR	Metabolic	PCR	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
Porphyranase		Infectious Disease	qPCR	Feces	Not Stable	1 Week	Not Stable	14 Days
Potassium (Blood)	K	Metabolic	ISE	Serum	3 Weeks	3 Weeks	1 Year	1 Year
Potassium (Urine)	K	Metabolic	ISE	Urine	1 Week	2 Weeks	1 Year	1 Year
Prealbumin	Transthyretin	Inflammation and Immunology	Nephelometry	Serum	4 Days	3 Weeks	1 Year	1 Year
Pre-beta1-HDL	Pre-β1-HDL	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma	Not Stable	1 Week	5 Months	10.5 Months (Ongoing)
Pro BNP	NT-Pro BNP	Cardiovascular	ECLIA	Serum	8 Days	3 Weeks	2 Years	2 Years
Pro-ANP (Atrial Natruiretic peptide, Amino-Terminal)	NT-ProANP	Cardiovascular	EIA	Serum	3 Days	3 Days	13 Months	13 Months
Procalcitonin (PCT)	PCT	Infectious Disease	Immunochemiluminiscence	EDTA Plasma; Serum	24 Hours	24 Hours	6 Months	2 Years
Procollagen III Peptide	PIIINP, P3NP	Inflammation and Immunology	Immunochemiluminiscence	Serum	4 Days	1 Month	12 Months	16 Months
Procollagen Type 1 C-terminal Propeptide	P1CP	Musculoskeletal	EIA	Serum	1 Week	2 Weeks	12 Months	12 Months
Procollagen Type 1 N-terminal Propeptide	P1NP	Musculoskeletal	ECLIA	EDTA Plasma; Serum	1 Week	1 Month	1 Year	1 Year
Progesterone		Endocrinology and Diabetes	ECLIA	Serum	1 Day	5 Days	6 Months	6 Months
Programmed Death-1	PD-1	Inflammation and Immunology	EIA	Serum	7 Days	7 Days	1 Month	13 Months
Programmed Death-Ligand 1	PDL1, B7-H1, CD274	Inflammation and Immunology	EIA	Serum	7 Days	7 Days	3 Months	9 Months
Proinsulin		Endocrinology and Diabetes	EIA	EDTA Plasma; Heparin Plasma; Serum	1 Week	2 Weeks	16 Months	16 Months
Prolactin		Endocrinology and Diabetes	ECLIA	Serum	1 Day	2 Weeks	6 Months	6 Months
Prostate Specific Antigen	PSA	Oncology	ECLIA	Serum	24 Hours	5 Days	6 Months	5 Years
Protein (Blood)		Metabolic	Colorimetry	EDTA Plasma; Heparin Plasma; Serum	2 Weeks	1 Month	1 Year	1 Year
Protein (Urine)		Metabolic	Colorimetry	Urine	1 Week	6 Months	6 Months	6 Months
Protein C, Functional	Activated Protein C	Coagulation	Clot Detection	3.2% Na Citrate Plasma	7 Days	3 Days	10 Months (Ongoing)	18 Months
Proteinase 3	PR3	Inflammation and Immunology	EIA	EDTA Plasma	Unknown	Unknown	Unknown	Unknown
Prothrombin Fragments 1&2		Coagulation	EIA	Na Citrate Plasma	4 Hours	8 Hours	6 Weeks	23 Months
Prothrombin Time	PT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	2 Days	1 Week	1 Month	25 Months
Prothrombin Time, Dilute	dPT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	48 Hours	1 Week	1 Month	12 Months
Prothrombin Time, International Normalized Ratio	INR	Coagulation	Clot Detection	3.2% Na Citrate Plasma	2 Days	1 Week	1 Month	25 Months
P-Selectin, Soluble	P-Selectin	Inflammation and Immunology	EIA	Citrate Plasma; EDTA Plasma	1 Week	2 Weeks	18 Months	18 Months
pTAU-181	Threonine 181	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Days	12 Months	12 Months
pTAU-217		Neurologic	Single Molecule Array	EDTA Plasma	1 Day	1 Day	7 Days	3 Months
QIAstat-Dx RP SARS-CoV-2 Panel Qualitative	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Quantiferon TB Gold Interferon Gamma	QFT	Infectious Disease	EIA	Heparin Plasma	3 Days	28 Days	4 Months	4 Months
Regenerating Islet-derived IIIa	Reg3A	Inflammation and Immunology	EIA	Serum	1 Week	2 Week	15 months (ongoing)	15 months (ongoing)
Renin			EIA	Urine	1 Day	1 Day	7 Days	12 Months
Renin, Direct		Nephrology	CLIA	EDTA Plasma	1 Day	Not Stable	Not Stable	6 Months
Resistin	Adipose tissue-specific secretory factor	Cardiovascular	Immunofluorescence	Serum	Not Stable	7 Days	19 Months	19 Months
Respiratory Syncytial Virus A+B (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
Respiratory Syncytial Virus, Genotyping	RSV, Genotyping	Infectious Disease	RT-PCR	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Reticulocyte Count	Retic	Hematology	VCS	EDTA Whole Blood	72 Hours	96 Hours	Do not freeze	Do not freeze
Reticulocyte Count, Absolute	Retics Abs	Hematology	Calculation	EDTA Whole Blood	72 Hours	96 Hours	Do not freeze	Do not freeze
Retinol Binding Protein 4 (Blood)	RBP4	Endocrinology and Diabetes	EIA	Serum	1 Week	2 Weeks	1 Year	6 Years
Retinol Binding Protein 4 (Urine)	RBP4	Endocrinology and Diabetes	EIA	Urine	1 Day	2 Days	1 Month	1 Month
Retinyl Palmitate		Lipid and Lipoprotein Metabolism	UPLC	EDTA Plasma;#Serum	5 Days	1 Month	4 Months	1 Year
Rheumatic Factor IgA		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks		
Rheumatic Factor IgM		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks		
Rhinovirus/Enterovirus (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
RNA Concentration		RNA	RNA Extraction	EDTA Whole Blood	3 Days	5 Days	8 Years	8 Years

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RNA Integrity Number	RIN	RNA	RNA Extraction	EDTA Whole Blood	3 Days	5 Days	8 Years	8 Years
RNA Yield		RNA	RNA Extraction	EDTA Whole Blood	3 Days	5 Days	8 Years	8 Years
RNP70 Antibody, IgG		Inflammation and Immunology	Immunoassay	Serum;EDTA Plasma	N/A	2 weeks	1 month (ongoing)	1 month (ongoing)
RO Antibody, IgG		Inflammation and Immunology	Immunoassay	Serum;EDTA Plasma	N/A	2 Weeks	1 Month (ongoing)	1 Month (ongoing)
Rotavirus		Infectious Disease	qPCR	Feces				
Russell's Viper Venom	Dilute Russell's Viper Venom Test, dRVVT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	4 Hours	N/A	1 Month	N/A
S-100		Oncology	ECLIA	Serum	<1 Day	2 Days	3 Months	3 Months
S100A8/S100A9		Oncology	EIA	Serum	24 Hours	2 Days	3 Months	12 Months
SARS-CoV-2	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	14 Days	N/A
SC5b-9		Inflammation and Immunology	EIA	EDTA Plasma	2 Hours	2 Days	7 Days	9 Months
Secreted phospholipase A2 mass	sPLA2 Mass	Cardiovascular	EIA	EDTA Plasma; Serum	2 Days	1 Week	12 Months	12 Months
Sex Hormone Binding Globulin	SHBG	Endocrinology and Diabetes	ECLIA	Serum	1 Week	2 Weeks	2 Years	2 Years
Shiga Toxin 2	Stx2, Shiga toxin 2 (Stx2) producing Escherichia coli (E. coli)	Infectious Disease	PCR	Feces	Not Stable	1 Week	Not Stable	1 Week
Shiga Toxin Quick Chek		Infectious Disease		Feces	N/A	14 Days	14 Days	14 Days
Smith Antibody, IgG	Anti-Smdp, Anti-SMD	Inflammation and Immunology	Fluorescence enzyme immunoassay	Serum	8 Hours	48 Hours	2 Years	2 Years
Sodium (Blood)	Na	Metabolic	ISE	Lithium Heparin Plasma; Serum	2 Weeks	1 Month	1 Year	1 Year
Sodium (Urine)	Na	Metabolic	ISE	Urine	1 Week	1 Week	1 Year	1 Year
T Cell Immunoglobulin Mucin-3	TIM-3, HAVCR2	Inflammation and Immunology	EIA	EDTA Plasma	7 Days	7 Days	3 Months	22 Months
Tartrate-resistant acid phosphatase isoform 5b	TRAP5b, TRAcP5b	Bone Marker	EIA	Serum	1 Day	3 Days	1 Month	12 Months
Telopeptide C Terminal, Type 1 Collagen	Beta Crosslaps, Beta -CTX	Musculoskeletal	ECLIA	Serum	6 Hours	8 Hours	1 Year	1 Year
Telopeptide C Terminal, Type 1 Collagen (Urine)	CTX-1 Urine, Beta Crosslaps	Bone Marker	EIA	Urine	9 Days	7 Weeks	2 Months	1 Year
Testosterone, Total		Endocrinology and Diabetes	ECLIA	Serum	2 Days	1 Week	6 Months	2 Years
Thiobarbituric Acid Reactive Substances	TBARS		EIA	Serum				
Thrombin Activatable Fibrinolysis Inhibitor	TAFI	Coagulation	Clot Detection	3.2% Na Citrate Plasma	Not Stable	2 Weeks	5 Months	5 Months
Thrombin Activatable Fibrinolysis Inhibitor	TAFI Activity	Coagulation	Clot Detection	3.2% Na Citrate Plasma	4 Hours	6 Days	2 Months	12 Months
Thrombin Generation Assay - PPP Low (Legacy)	TGA - PPP Low, Modified TGA	Coagulation	Fluorescence	3.2% Na Citrate Plasma	Not Stable	2 Days	12 Months	12 Months
Thrombin Generation Assay - PPP Low (Preferred)	TGA-PPP Low, Modified TGA	Coagulation	Fluorescence	Citrate Plasma	4 Hours	N/A	3 Months	7 Months
Thrombin Generation Assay (Preferred)	TGA, CAT	Coagulation	Fluorescence	Citrate Plasma	4 Hours	N/A	3 Months	7 Months
Thrombin Generation Assay (Thermo) (Legacy)	TGA, CAT	Coagulation	Fluorescence	Citrate Plasma	N/A	2 Days	12 Months	23 Months
Thrombin Time	TT, Thrombin Clotting Time, TCT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	3 Days	1 Week	9 Months	12 Months
Thrombin-Antithrombin III Complex	TAT	Gastrointestinal	EIA	Na Citrate Plasma	4 Hours	4 Hours	1 Month	12 Months
Thrombomodulin	Soluble Thrombomodulin, BDCA-3	Coagulation	EIA	Serum	2 Weeks	2 Weeks	3 Months	12 Months
Thrombopoietin	TPO	Inflammation and Immunology	EIA	Serum	7 Days	7 Days	19 Months	19 Months
Thromboxane, B2		Coagulation	EIA	Serum	1 Day	2 Weeks	6 Months	6 Months
Thymidine Kinase 1	TK210		EIA	Serum	24 Hours	2 Days	2 Weeks (ongoing)	2 Weeks (ongoing)
Thymus and Activation-Regulated Chemokine (Meso Scale Chemokine V-Plex)	TARC	Inflammation and Immunology	ECLIA	EDTA Plasma;#Serum	Serum: 7 Days, EDTA-Plasma: 7 Days	Serum: 2 Weeks, EDTA-Plasma: 1 Week	Serum: 13 Months, EDTA-Plasma: 4 Months	Serum: 13 Months, EDTA-Plasma: 13 Months
Thyroid Peroxidase Antibody	Anti-TPO, TPOAb	Endocrinology and Diabetes	ECLIA	Serum	Not Stable	17 Days	17 Days	17 Days
Thyroid Stimulating Hormone	TSH	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Month	1 Year	1 Year
Thyroid Stimulating Immunoglobulins	TSI	Thyroid	CLIA	Serum	24 Hours	7 Days	12 Months	12 Months
Thyroxine, Free	FT4	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	1 Month	3 Months
Thyroxine, Total	T4	Endocrinology and Diabetes	ECLIA	Serum	1 Month	2 Months	12 Months	6 Months
Thyroxine-Binding Globulin	TBG	Inflammation and Immunology	ECLIA	Serum	7 Days	14 Days	6 Months	6 Months
Tissue Inhibitor of Metalloproteinase 1	TIMP1	Inflammation and Immunology	Immunochemiluminiscence	Serum	7 Days	1 Month	12 Months	16 Months
Tissue Plasminogen Activator	tPA	Cardiovascular	EIA	EDTA Plasma	1 Day	Not Stable	6 Months	12 Months
Transferrin		Metabolic	Turbidity	Serum	2 Weeks	2 Weeks	1 Year	1 Year
Transferrin Receptor, soluble	sTfR	Metabolic	Nephelometry	Serum	1 Week	1 Week	1 Month	1 Month
Transforming Growth Factor, Beta 1, Urine	TGF-B1	Nephrology	EIA	Urine	1 Week	2 Weeks	12 Months	12 Months
Transforming Growth Factor-beta1, Serum	TGF-b1	Inflammation and Immunology	EIA	Serum	2 Weeks	1 Week	12 Months	12 Months
Transthyretin (TTR), Genotyping	TTR Geneotyping, TTR by Sanger Sequencing	Various	Molecular	EDTA Whole Blood	48 Hours	14 Days	Not Stable	2 Years
Triglyceride	Trig	Lipid and Lipoprotein Metabolism	Colorimetry	Serum	3 Days	3 Weeks	2 Years	2 Years
Triglyceride Rich Lipoprotein - Cholesterol	TRL-C	Lipid and Lipoprotein Metabolism	Enzymatic	Serum; EDTA plasma, Lithium Heparin Plasma	4 Hours	2 days	7 Months	9 Months
Triiodothyronine, Free T3	Free T3	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Triiodothyronine, T3	T3	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	1 Year	1 Week
Troponin I	TNI	Cardiovascular	ECLIA	EDTA Plasma; Serum	Not Stable	Not Stable	6 Months	6 Months
Troponin I, High Sensitivity	TNIH, hsTnI	Cardiovascular	Immunochemiluminescence	Serum	8 Hours	3 Days	40 Days	2 Years
Troponin T, High Sensitivity	hs TNT	Cardiovascular	ECLIA	K2 EDTA Plasma; Serum	8 Days	3 Weeks	1 Year	2 Years
Tryptase		Inflammation and Immunology	Fluorimmunoassay	EDTA Plasma; Serum	1 Week	2 Weeks	12 Months	12 Months
TSH Receptor Antibody	anti-TSHR, TRAb	Inflammation and Immunology	ECLIA	Serum	7 Hours	6 Days	12 Months	12 Months

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Tumor Necrosis Factor I	TNFRI	Inflammation and Immunology	EIA	Serum	1 Week	1 Month	12 Months	12 Months
Tumor Necrosis Factor II	TNFRII, TNFR2, TNFRSF1B, sTNF RII, p75	Inflammation and Immunology	EIA	Serum	7 Days	1 Month	12 Months	12 Months
Tumor Necrosis Factor β (Meso Scale Cytokine V-Plex)	TNF-β	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 7 Days, EDTA Plasma: 7 Days	Serum: 7 Days, EDTA Plasma: 2 Weeks	Serum: 11 Months, EDTA Plasma: 13 Months	Serum: 13 Months, EDTA Plasma: 13 Months
Tumor Necrosis Factor Alpha (Meso Scale Proinflammatory S-Plex)	TNFalpha		ECLIA	Serum;#EDTA Plasma	Serum: 1 Day; Plasma: 1 Day	Serum: 1 Day; Plasma: 1 Day	Serum: 11 Months; Plasma: 11 Months	Serum: 51 Months; Plasma: 11 Months
Tumor Necrosis Factor-alpha (Meso Scale Proinflammatory V-Plex)	TNFalpha, TNFα	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma;#Serum;#CSF	Serum and Plasma: 1 Day; CSF: 0 Days	Serum and Plasma: 1 Day; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 0 Days	Serum: 51 Months; EDTA-Plasma: 11 Months; CSF: 1 Month
UGT1A1 Genotyping	UDP glycosyltransferase	Oncology	PCR	K2 EDTA Plasma, Extracted dna	48 Hours	1 Week	Not Stable	2 Years
Urea Nitrogen (Blood)	BUN	Metabolic	Kinetic	Serum	2 Weeks	1 Month	1 Year	1 Year
Urea Nitrogen (Urine)	24 Hr Urine Urea Nitrogen	Metabolic	Enzymatic	Urine	1 Week	2 Weeks	19 months without preservative; 12 months with 6mol/L HCL added immediately 19 months with 6 mol/L HCL added after 24 hours	19 months without preservative; 12 months with 6mol/L HCL added immediately 19 months with 6 mol/L HCL added after 24 hours
Uric Acid (Blood)	UA	Metabolic	Colorimetry	Serum	2 Weeks	1 Month	1 Year	1 Year
Uric Acid (Urine)	24 Hr Urine UA	Metabolic	Enzymatic	Urine	1 Week	2 Weeks	12 Months	12 Months
Urinalysis, Chemical Profile (bilirubin, blood, color, glucose, ketone, leukocyte esterase, nitrite, pH, protein, specific gravity, urobilinogen)	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Clarity	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Bilirubin	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Blood	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Color	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Glucose	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Ketone	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Leukocyte esterase	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Nitrite	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: pH	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Protein	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Specific gravity	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Chemical Profile: Urobilinogen)	UA, Dipstick	Urinalysis	Colorimetry	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urinalysis, Confirmation: Ictotest		Urinalysis	Manual	Urine	3 Days	3 Days	N/A	N/A
Urinalysis, Confirmation: Protein by Acidification		Urinalysis	Colorimetry	Urine	3 Days	3 Days	N/A	N/A
Urinalysis, Confirmation: Specific Gavity		Urinalysis	Refractometry	Urine	3 Days	3 Days	N/A	N/A
Urinalysis, Microscopic Profile (bacteria, casts, crystals, RBC, WBC)		Urinalysis	Manual	Urine	3 Days	3 Days	Do not freeze	Do not freeze
Urokinase-type Plasminogen Activator Receptor (uPAR)	uPAR		EIA	Serum	3 Days	3 Days	9 Month (ongoing)	9 Month (ongoing)
Uterglobin	CC16	Infectious Disease	EIA	Serum	2 Weeks	2 Weeks	3 Months	12 Months
Varicella-Zoster Virus IgG	Anti-VZV IgG	Inflammation and Immunology	CLIA	Serum	4 Days	4 Days	2 Weeks	2 Weeks
Vascular Adhesion Molecule I	VCAM-1, sVCAM-1	Oncology	EIA	Serum	7 days	2 weeks	11 Months	12 Months
Vascular Endothelial Growth Factor	VEGF, VEGF-A	Oncology	EIA	EDTA Plasma; Serum	1 Week	3 Weeks	33 Months Serum, 1 Year EDTA Plasma	33 Months Serum, 1 Year EDTA Plasma
Vascular Endothelial Growth Factor Receptor 2	VEGF-R2	Oncology	EIA	EDTA Plasma; Heparin Plasma; Serum	1 Week	1 Week	16 Months	16 Months
VE-Cadherin		Inflammation and Immunology	EIA	Serum	3 Weeks	2 Weeks	3 Months	16 Months
VHL Mutation Detection by MLPA		Oncology	Multiplex Ligation-dependent Probe Amplification	Whole Blood	48 Hours	14 Days	Not Stable	2 Years
VHL Mutation Detection by Sanger Sequencing		Oncology	Sanger DNA Sequencing	Whole Blood	48 Hours	14 Days	Not Stable	2 Years
Vitamin A	Retinol	Nutritional	UPLC	EDTA Plasma; Serum	1 Week	1 Week	9 Months	5 Years
Vitamin B12		Nutritional	ECLIA	Serum	1 Week	2 Weeks	2 Months	1 Year
Vitamin D, 1,25 dihydroxy Vitamin D	1,25 Dihyrdoxy Vit D	Inflammation and Immunology	ECLIA	Serum	7 Days	2 Weeks	1 Year	1 Year
Vitamin D, 25 OH		Musculoskeletal	ECLIA	Serum	1 Week	2 Weeks	1 Year	1 Year
Vitamin E, Alpha		Nutritional	UPLC	EDTA Plasma; Serum	1 Week	1 Week	2 Years	5 Years
Vitamin E, Gamma		Nutritional	UPLC	EDTA Plasma; Serum	1 Week	1 Week	2 Years	5 Years
Von Willebrand Factor Antigen	vWF:Ag	Coagulation	Immunoturbidity	Citrate Plasma	1 Week	3 Weeks	12 Months	25 Months
WBC Differential, Basophils		Hematology	VCS	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Eosinophils		Hematology	VCS	EDTA Whole Blood	48 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Lymphocytes		Hematology	VCS	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Monocytes		Hematology	VCS	EDTA Whole Blood	72 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Neutrophils, Bands	Bands	Hematology	Manual	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Neutrophils, Segmented	Segs	Hematology	VCS	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze
WBC Differential, Neutrophils, Total		Hematology	VCS	EDTA Whole Blood	96 Hours	96 Hours	Do not freeze	Do not freeze