

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Angiotensin-2	ANG-2	Auto Immune	EIA	Serum	1 Week	1 Week	12 Months	12 Months
B-cell activating factor	BAFF	Auto Immune	EIA	EDTA Plasma	1 Day	1 Day	3 Months	22 Months
Cyclic AMP	cAMP	Auto Immune	EIA	EDTA Plasma	7 Days	2 Days	3 Months	12 Months
Direct Antiglobulin Test (DAT)	Direct Coombs	Auto Immune	Hemagglutination	EDTA Whole Blood	N/A	7 days	N/A	N/A
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
Alkaline Phosphatase, Bone	BAP, BSAP	Bone Marker	CLIA	Serum	1 Week	2 Weeks	12 Months	12 Months
Cartilage Oligomeric Matrix Protein	COMP, Thrombospondin-5	Bone Marker	EIA	Serum	8 Days	2 Weeks	14 Months	14 Months
N-Telopeptides of Bone Type I Collagen, Cross-linked (Urine)	NTX, Urine	Bone Marker	EIA	Urine	1 Day	3 Days	4 Months	21 Months
Osteopontin	OPN, T lymphocyte activation 1	Bone Marker	EIA	EDTA Plasma; Urine	EDTA Plasma: 8 Days;	EDTA Plasma: 3 Days;	EDTA Plasma: 12 Months;	EDTA Plasma: 12 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 (Urine)	CTX-1 Urine, Beta Crosslaps	Bone Marker	EIA	Urine	9 Days	7 Weeks	2 Months	1 Year
Angiotensin-1	ANG-1	Cardiovascular	EIA	Serum	1 Week	1 Week	3 Months	12 Months
Angiotensin-Like 3	ANGPTL3	Cardiovascular	EIA	EDTA Plasma; Serum	Not Stable	1 Week	10 Months	26 Months
Angiotensin-like 4	ANGPTL-4	Cardiovascular	EIA	Serum	1 Week	2 Weeks	5 Months	12 Months
B type Natriuretic Peptide (BNP)	BNP	Cardiovascular	ECLIA	EDTA Plasma	1 Day	Not Acceptable	2 Months (Ongoing)	2 Months (Ongoing)
Creatine Kinase MB Isoenzyme	CK-MB	Cardiovascular	ECLIA	EDTA Plasma; Serum	4 Hours	5 Days	3 Months	3 Months
Endothelin 1	ET-1	Cardiovascular	EIA	Serum	Not Stable	2 Weeks	12 Months (Ongoing)	68 Months
Endothelin 1 (Urine)		Cardiovascular	EIA	Urine	Not Stable	2 Weeks	12 Months	68 Months
Homocysteine		Cardiovascular	Enzymatic	Serum	2 Weeks	3 Weeks	2 Years	2 Years
Lactate Dehydrogenase Isoenzyme	LDH Isoenzyme	Cardiovascular	Electrophoresis	Serum	9 Days	3 Days	N/A	N/A
Matrix Metalloproteinase-3	MMP-3	Cardiovascular	EIA	Heparin Plasma; Serum	Not Stable	Not Stable	TBD	TBD
Matrix metalloproteinase-7	MMP-7	Cardiovascular	EIA	Serum	1 Week	1 Week	2 Months (Ongoing)	2 Months (Ongoing)
Monocyte Chemoattractant Protein-1 (Blood)	CCL2, MCP-1	Cardiovascular	EIA	EDTA Plasma; Serum	2 Weeks	2 Weeks	14 Months	14 Months
Monocyte Chemoattractant Protein-1 (Urine)	CCL2, MCP-1	Cardiovascular	EIA	Urine	2 Weeks	2 Weeks	17 Months	17 Months
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
Paraoxonase PON1	PON1	Cardiovascular	Kinetic	Serum	1 Week	2 Weeks	2 Months	2 Months
Pentraxin 3	PTX3	Cardiovascular	EIA	EDTA Plasma; Serum	4 Hours	Not Stable	12 Months	12 Months
Platelet-Derived Growth Factor AB	PDGF-AB	Cardiovascular	EIA	Serum	2 Days	1 Week	6 Months	13 Months
Pro BNP	NT-Pro BNP	Cardiovascular	ECLIA	Serum	3 Days	6 Days	2 Years	1 Year
Pro-ANP (Atrial Natriuretic peptide, Amino-Terminal)	NT-ProANP	Cardiovascular	EIA	Serum	3 Days	3 Days	13 Months	13 Months
Resistin	Adipose tissue-specific	Cardiovascular	Immunofluorescence	Serum	Not Stable	7 Days	12 Months	12 Months
Secreted phospholipase A2 mass	sPLA2 Mass	Cardiovascular	EIA	EDTA Plasma; Serum	2 Days	1 Week	12 Months	12 Months
Tissue Plasminogen Activator	tPA	Cardiovascular	EIA	EDTA Plasma	1 Day	Not Stable	6 Months	12 Months
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	24 Hours	40 Days	1 Year
Troponin T, High Sensitivity	hs TNT	Cardiovascular	ECLIA	K2 EDTA Plasma; Serum	1 Week	2 Weeks	1 Year	1 Year
Activated Protein C Resistance V	APCRV	Coagulation	Clot Detection	Na Citrate Plasma	Not Stable	Not Stable	Not Stable	3 Years
Antithrombin Activity	AT3	Coagulation	Chromogenic	Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
D Dimer		Coagulation	Immunoturbidity	3.2% Na Citrate Plasma	4 Hours	2 Days	6 Months	25 Months
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
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		N/A	25 Months
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	LMWH Anti-Xa	Coagulation	Colorimetry	Citrate Plasma	2 Hours	24 Hours	8 Days	12 Months
Factor XIII, Activity	FXIII, transglutaminase, fibrin	Coagulation	Spectrophotometry	Na Citrate Plasma	Not Stable	2 Weeks	9 Months	25 Months
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

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Fibrinogen, Clauss		Coagulation	Clot Detection	Citrate Plasma	1 Week	3 Weeks	12 Months	25 Months
Heparin, Unfractionated	Anti Factor Xa Activity	Coagulation	Photometric	3.2% Na Citrate Plasma	2 Hours	1 Day	8 Days	1 Month
Matrix Metalloproteinase 2	MMP-2	Coagulation	EIA	Serum	4 Days	4 Weeks	3 Months (Ongoing)	3 Months (Ongoing)
Partial Thromboplastin Time, Activated	APTT	Coagulation	Clot Detection	3.2% Na Citrate Plasma	1 Day	2 Days	6 Months	25 Months
Plasminogen		Coagulation	Chromogenic	3.2% Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
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	BPLG	Coagulation	Colorimetry	3.2% Na Citrate Plasma	1 Week	2 Weeks	12 Months	12 Months
Prekallikrein (PKK)	PK, PKK, Fletcher Factor	Coagulation	EIA	EDTA Plasma; Serum	1 Week	1 Day	12 Months	9 Months
Protein C, Functional	Activated Protein C	Coagulation	Clot Detection	3.2% Na Citrate Plasma	7 Days	3 Days	10 Months (Ongoing)	18 Months
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
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
Thrombin Activatable Fibrinolysis Inhibitor	TAFI Activity	Coagulation	Clot Detection	3.2% Na Citrate Plasma	4 Hours	6 Days	2 Months	12 Months
Thrombin Activatable Fibrinolysis Inhibitor Antigen	TAFI Ag	Coagulation	EIA	Citrate Plasma	1 Week	4 Weeks	4 Years and 8 Months	4 Years and 8 Months
Thrombin Generation Assay - PPP Low	TGA - PPP Low, Modified TGA	Coagulation	Fluorescence	3.2% Na Citrate Plasma	Not Stable	2 Days	12 Months	12 Months
Thrombin Generation Assay (Thermo)	TGA, CAT	Coagulation	Fluorescence	Citrate Plasma	Not Stable	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
Thrombomodulin		Coagulation	EIA	Serum	2 Weeks	2 Weeks	3 Months	12 Months
Thromboxane, B2		Coagulation	EIA	Serum	1 Day	2 Weeks	6 Months	6 Months
Von Willebrand Factor Antigen	vWF:Ag	Coagulation	Immunoturbidity	Citrate Plasma	1 Week	3 Weeks	12 Months	25 Months
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
Factor V Leiden R506Q Mutation		DNA	qPCR	DNA, Extracted	N/A	1 year	16 years	16 years
Acetaminophen		Drug	Immunoassay	Serum	24 Hours	7 Days	6 Months	N/A
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
Aldosterone		Endocrinology	CLIA	EDTA Plasma; Serum	Serum: 1 Day	Serum: 2 Weeks	Serum: 12 Months	Serum: 12 Months
Aldosterone (Urine)		Endocrinology	CLIA	Urine	1 Week	2 Weeks	11 Months	6 Months
Angiotensinogen (Plasma)	AGT plasma	Endocrinology	EIA	EDTA Plasma	1 Week	3.5 Weeks	12 Months	12 Months
Angiotensinogen (Urine)	AGT	Endocrinology	EIA	Urine	Not stable	24 hours	Not stable	11 Months
Growth Hormone	GH	Endocrinology	Immunochemiluminiscence	Serum	1 Week	2 Weeks	5 Months	5 Months
Inhibin B		Endocrinology	EIA	Serum	2 Weeks	2 Weeks	12 Months	12 Months
Insulin Growth Factor - 1	IGF-1	Endocrinology	Immunochemiluminiscence	Serum	1 Week	2 Weeks	12 Months	12 Months
1,5 Anhydroglucitol	Glycomark	Endocrinology and Diabetes	Enzymatic	Serum	7 Days	7 Days	36 Months	12 Months
Adiponectin		Endocrinology and Diabetes	EIA	EDTA Plasma; Serum	4 Days	1 Week	18 Months	18 Months

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Adiponectin, High Molecular Weight	HMW Adiponectin	Endocrinology and Diabetes	EIA	EDTA Plasma; Serum	Serum: 1 Week; EDTA	Serum: 3 Weeks; EDTA	31 Months	31 Months
Adrenocorticotrophic Hormone	ACTH	Endocrinology and Diabetes	ECLIA	EDTA Plasma	2 Hours	4 Hours	4 Weeks	2 Years
Albumin, Glycated		Endocrinology and Diabetes	Photometric	Serum	1 Week	2 Weeks	2 Months	9 Months
Beta Hydroxybutyrate	RANBUT	Endocrinology and Diabetes	Turbidity	Serum	1 Week	1 Week	4 Months	4 Months
C Peptide		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	2 Days	10 Days	7 Months	7 Months
Calcitonin		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	4 Hours	1 Day	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
Cortisol (Blood)		Endocrinology and Diabetes	ECLIA	EDTA Plasma; Serum	2 Weeks	2 Weeks	3 Months	2 Years
Cortisol (Urine)		Endocrinology and Diabetes	ECLIA	Urine	4 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
Dehydroepiandrosterone Sulfate	DHEA-SO4	Endocrinology and Diabetes	ECLIA	Serum	2 Days	1 Week	2 Months	2 Months
Erythropoietin	EPO	Endocrinology and Diabetes	EIA	Serum	1 Week	2 Weeks	5 Years	1 Year
Estradiol	E2	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	3 Months	2 Years
Folicle Stimulating Hormone	FSH	Endocrinology and Diabetes	ECLIA	Serum	2 Weeks	2 Weeks	3 Months	2 Years
Fructosamine		Endocrinology and Diabetes	Colorimetry	Serum	2 Weeks	2 Weeks	6 Months	N/A
Gastric Inhibitory Polypeptide	Glucose-dependent	Endocrinology and Diabetes	EIA	EDTA P800 Tube	8 Days	8 Days	7 Months	13 Months
Ghrelin (Total)		Endocrinology and Diabetes	EIA	EDTA P800 Tube	1 Day	8 Days	9.5 Months	9.5 Months
Glucagon Like Peptide - 1, Active	GLP-1 Active	Endocrinology and Diabetes	EIA	EDTA P800 Tube	1 Week	1 Month	11 Months	11 Months
Glucagon Like Peptide - 1, Total	GLP-1 Total	Endocrinology and Diabetes	EIA	EDTA P800 Tube	2 Days	7 Days	3 Weeks	1 Month (Ongoing)
Glucagon, R&D		Endocrinology and Diabetes	EIA	EDTA P800 Tube	3 Days	2 Weeks	1 Year	1 Year
Hemoglobin A1c	HBA1c	Endocrinology and Diabetes	HPLC	EDTA Whole Blood; Fluoride Whole Blood	1 Week	2 Months	10 Days	1 Year
Insulin		Endocrinology and Diabetes	ECLIA / Fluorimmunoassay	EDTA Plasma; Lithium Heparin Plasma; Serum	1 Day	3 Weeks	6 Months	6 Months
Leptin		Endocrinology and Diabetes	EIA	Citrate Plasma; EDTA Plasma; Heparin	1 Week	3 Weeks	14 Months	14 Months
Luteinizing Hormone	LH	Endocrinology and Diabetes	ECLIA	Serum	2 Weeks	2 Weeks	3 Months	2 Years
Oxymodulin	OXM	Endocrinology and Diabetes		EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Peptide YY	PYY	Endocrinology and Diabetes	EIA	EDTA P700 Tube; EDTA P800 Tube	1 Week	1 Month	1 Year	1 Year
Progesterone		Endocrinology and Diabetes	ECLIA	Serum	1 Day	5 Days	6 Months	6 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
Retinol Binding Protein (Blood)	RBP4	Endocrinology and Diabetes	EIA	Serum	1 Week	2 Weeks	1 Year	1 Year
Retinol Binding Protein 4 (Urine)	RBP4	Endocrinology and Diabetes	EIA	Urine	1 Day	2 Days	1 Month	1 Month
Sex Hormone Binding Globulin	SHBG	Endocrinology and Diabetes	ECLIA	Serum	1 Week	2 Weeks	2 Years	2 Years
Testosterone, Total		Endocrinology and Diabetes	ECLIA	Serum	2 Days	1 Week	6 Months	2 Years
Thyroid Peroxidase (TPO) Antibody	Anti-TPO	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
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 Week	1 Week	6 Months	6 Months
Triiodothyronine, Free T3	Free T3	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	1 Month	3 Months
Triiodothyronine, T3	T3	Endocrinology and Diabetes	ECLIA	Serum	1 Week	1 Week	1 Week	1 Week
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: 1 Day,	Whole Blood: 2 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: 1 Day,	Whole Blood: 2 Days	Not Stable	Not Stable

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Flow Cytometry, CD4/CD8 Ratio	CD4/CD8/TBNC	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin Whole Blood; Streck Cytochex	Streck Cytochex Blood Collection Tubes: 14 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: 1 Day,	Whole Blood: 2 Days	Not Stable	Not Stable
Flow Cytometry, CD8	CD8	Flow Cytometry	Flow Cytometry	EDTA Whole Blood; Sodium Heparin	Whole Blood: 1 Day,	Whole Blood: 2 Days	Not Stable	Not Stable
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 & Calprotectin, Fecal	Type II and Type III	Flow Cytometry	Flow Cytometry	EDTA Whole Blood	Not Stable	54 Hours	Not Stable	Not Stable
Gastrin		Gastrointestinal	CLIA	Feces	N/A	3 Days	4 Months	4 Months
Thrombin-Antithrombin III Complex	TAT	Gastrointestinal	EIA	3.2% Na Citrate Plasma	4 Hours	4 Hours	1 Month	12 Months
Blood Smear Evaluation	Peripheral Blood Smear	Hematology	Manual	Blood Smear	N/A	N/A	Do not freeze	Do not freeze
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
Hemoglobin A (Electrophoresis)	Hemoglobin A	Hematology	Electrophoresis	EDTA Whole Blood	0 Days	7 Days	0 Days	3 Months
Hemoglobin A2	HbA2	Hematology	HPLC	EDTA Whole Blood	48 Hours	7 Days	Not Stable	7 Days
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
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
Sickle Cells Screening	SCS, Hemoglobin S	Hematology	Turbidity	EDTA Whole Blood	15 Days	45 Days	Not Stable	Not Stable
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
Adenovirus (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Adenovirus DNA	AdV, AdV Viral Load, AdV PCR	Infectious Disease	PCR	EDTA Plasma; Urine, Feces, Swab	Plasma, Urine, Swab : 2	Plasma, Urine, Swab : 7	Plasma, Urine, Feces : 6	Plasma, Urine, Feces : 6
BK Virus DNA	BKV	Infectious Disease	PCR	EDTA Plasma	2 Days	7 Days	6 Months	6 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
Bordetella pertussis (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Chlamydia pneumoniae (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Coronavirus 229E (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Coronavirus HKU1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Coronavirus NL63 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Coronavirus OC43 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
COVID-19 (Qualitative)	SARS-CoV-2	Infectious Disease	RT-PCR	NP/OP Swab, Saliva, Sputum, Urine,	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
Cytomegalovirus DNA	CMV DNA; CMV Viral Load;	Infectious Disease	PCR	EDTA Plasma; CSF; Stool	Not Acceptable	Not Acceptable	6 Months	5 Months (Ongoing)
Cytomegalovirus Genes UL54, UL55, and UL97 for Resistance	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
Epstein-Barr Virus DNA	EBV; EBV Viral Load; EBV PCR	Infectious Disease	PCR	EDTA Plasma	Not Stable	Not Stable	Not Stable	TBD
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

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
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
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 (Quantitative)	HBs Ag Quant	Infectious Disease	ECLIA	Serum	7 Days	2 Weeks	6 Months (Ongoing)	6 Months (Ongoing)
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
Hepcidin		Infectious Disease	EIA	Serum	1 Day	1 month	11 Months	11 Months
Hepcidin-25		Infectious Disease	EIA	Serum	2 Days	1 Week	3 Months	8 Months
Human Herpesvirus 6 DNA	HHV6, HHV6 Viral Load, HHV-6	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	Not Stable	Not Stable
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 Metapneumonia Virus, Viral Load	MPV VL	Infectious Disease	RT-qPCR	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	7 Days	21 Days	1 Month	3 Years
Human Parainfluenza Virus 1, Viral Load	PIV1, VL	Infectious Disease	RT-qPCR	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Human Parainfluenza Virus 2, Viral Load	PIV2, VL	Infectious Disease	RT-qPCR	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Human Parainfluenza Virus 3, Viral Load	PIV3, VL	Infectious Disease	RT-qPCR	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Human Parainfluenza Virus 4, Viral Load	PIV4, VL	Infectious Disease	RT-qPCR	K2 EDTA Plasma; Viral Transport Medium (Swab)	2 Days	7 Days	6 Months	Not Stable
Influenza A (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Influenza A H1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Influenza A H1N1 pdm09 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Influenza A H3 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Influenza A-M1 Virus by qPCR	Influenza A-M1 Virus Viral Load	Infectious Disease	qPCR	K2 EDTA Plasma	2 Days	7 Days	6 Months	Not Stable
Influenza B (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Influenza B Virus by qRT-PCR	Influenza B Virus Viral Load,	Infectious Disease	qPCR	K2 EDTA Plasma	2 Days	7 Days	6 Months	Not Stable
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
Matrix Metalloproteinase-12	MMP-12	Infectious Disease	EIA	Serum	1 Day	1 Week	2 Months	7 Months
Mycoplasma pneumoniae (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Norovirus	Norovirus GI and GII	Infectious Disease	qPCR	Feces				
Parainfluenza Virus 1 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Parainfluenza Virus 2 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Parainfluenza Virus 3 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Parainfluenza Virus 4 (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Porphyrinase		Infectious Disease	qPCR	Feces	Not Stable	1 Week	Not Stable	14 Days
Procalcitonin (PCT)	PCT	Infectious Disease	Immunochemiluminiscence	EDTA Plasma; Serum	24 Hours	24 Hours	6 Months	2 Years
Quantiferon TB Gold Interferon Gamma	QFT	Infectious Disease	EIA	Heparin Plasma	3 Days	28 Days	4 Months	4 Months
Respiratory Syncytial Virus A+B (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Respiratory Syncytial Virus, Genotyping	RSV, Genotyping	Infectious Disease	RT-PCR	K2 EDTA Plasma; Viral Transport	2 Days	7 Days	6 Months	Not Stable
Respiratory Syncytial Virus, Viral Load	RSV, VL	Infectious Disease	RT-qPCR	K2 EDTA Plasma; Viral Transport	2 Days	7 Days	6 Months	Not Stable
Rhinovirus/Enterovirus (QIAstat-Dx)	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	7 Days	21 Days	1 Month	3 Years
Rotavirus		Infectious Disease	qPCR	Feces				
SARS-CoV-2	QIAstat-Dx Respiratory Panel	Infectious Disease	RT-PCR	swab	4 Hours	3 Days	1 Month	1 Month
Shiga Toxin 2	Stx2, Shiga toxin 2 (Stx2)	Infectious Disease	PCR	Feces	Not Stable	1 Week	Not Stable	1 Week
Syphilis	RPR	Infectious Disease	APR Test Card	Serum	4 Hours	5 Days	2 Weeks	2 Weeks
Uteroglobin	CC16	Infectious Disease	EIA	Serum	2 Weeks	2 Weeks	3 Months	12 Months
Alpha 2 Macroglobulin	A2 Macro	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	1 Month	1 Month
Alpha-1 Antitrypsin	A1AT	Inflammation and Immunology	Turbidity	Serum	7 Days	7 Days	3 Days	45 Months
Amyloid A	SAA	Inflammation and Immunology	Nephelometry	Serum	Not Stable	8 Days	12 Months	12 Months
Amyloid A	SAA	Inflammation and Immunology	EIA	Serum	Not Stable	8 Days	12 Months	12 Months
Anti CCP Antibodies		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 weeks	N/A	N/A
Anti-Nuclear Antibodies (ANA) Screen	ANA	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	48 Hours	1 Week	12 Months	12 Months
AXL, soluble	sAXL, soluble cell surface	Inflammation and Immunology	EIA	EDTA Plasma; Serum	8 Days	2 Weeks	12 Months	12 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)
C Reactive Protein, High Sensitivity (immunoturbidity)	hsCRP	Inflammation and Immunology	Immunoturbidity	Serum	1 Week	1 Month	27 Months	27 Months
C Reactive Protein, High Sensitivity (nephelometry)	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
Calprotectin		Inflammation and Immunology	EIA	EDTA Plasma	Not Stable	Not Stable	TBD	TBD
Cardiolipin Antibody, IgA	Cardiolipin IgA	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	48 Hours	1 Year	1 Year
Cardiolipin Antibody, IgG	Cardiolipin IgG	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	48 Hours	1 Year	1 Year
Cardiolipin Antibody, IgM	Cardiolipin IgM	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	8 Hours	48 Hours	1 Year	1 Year
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	1 Month (Ongoing)	1 Month (Ongoing)
Celikey, IgA		Inflammation and Immunology	Fluorimmunoassay	EDTA Plasma, Serum	8 Hours	48 Hours	1 Year	1 Year
Chitinase 3-like 1 (CHI3L1, YKL-40)	CHI3L1, YKL-40	Inflammation and Immunology	EIA	Serum	7 Days	2 Weeks	13 Months	13 Months
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	Not Stable	1 Week	4 Months	Serum: 18 Months;
Complement C3a	C3a	Inflammation and Immunology	EIA	EDTA Plasma	4 Hours	4 Hours	7 Days	3 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	10 Months	15 Months
Double-Stranded DNA (dsDNA) Antibody, IgG	dsDNA, dsDNA IgG	Inflammation and Immunology	Immunoassay	EDTA Plasma; Serum	48 Hours	1 Week	12 Months	12 Months
Elafin	SKALP, ESI	Inflammation and Immunology	EIA	EDTA Plasma	1 Day	8 Days	3 Months	8 Months
Enhanced Liver Fibrosis	ELF	Inflammation and Immunology	Immunochemiluminiscence	Serum	4 Days	1 Month	11 Months	12 Months
E-Selectin, Soluble	sE-Selectin	Inflammation and Immunology	EIA	EDTA Plasma	3 Days	3 Days	12 Months	12 Months
Fibroblast Activation Protein	FAP	Inflammation and Immunology	EIA	EDTA Plasma	1 Week	1 Week	12 Months	12 Months
Free Light Chains Ratio, Kappa to Lambda, Serum	KL Ratio, sFLC	Inflammation and Immunology	Nephelometry	Serum	Kappa: 3 Days; Lambda 2	Kappa: 2 Weeks; Lambda	Kappa: 12 Months;	Kappa: 12 Months;
Galactose-Deficient IgA1	Gd-IgA1	Inflammation and Immunology	EIA	Serum	1 Week		20 Months	
Granulocyte-Macrophage Colony Stimulating Factor	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
Haptoglobin		Inflammation and Immunology	Nephelometry	Serum	1 Week	3 Weeks	1 Month	1 Month

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Heparin Binding Epidermal Growth Factor	HB-EGF	Inflammation and Immunology	EIA	Cell Culture; EDTA Plasma; Serum; Urine	8 Days	2 Weeks	11 Months	11 Months
Heparin Binding Epidermal Growth Factor, Bound	HB-EGF	Inflammation and Immunology	EIA	Cell Culture; EDTA Plasma; Serum; Urine	1 Week	1 Week	18 Months	18 Months
Heparin Binding Epidermal Growth Factor, Total	HB-EGF	Inflammation and Immunology	EIA	Cell Culture; EDTA Plasma; Serum; Urine	1 Week	1 Week	18 Months	18 Months
Hepatocyte Growth Factor	HGF	Inflammation and Immunology	EIA	Serum	1 Week	1 Week	15 Months	15 Months
Human ST2	IL-1 R4	Inflammation and Immunology	Immunofluorescence	Serum	7 Days	2 Weeks	12 Months	12 Months
Hyaluronic Acid	HA	Inflammation and Immunology	Immunochemiluminiscence	Serum	4 Days	1 Month	11 Months	12 Months
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	12 Months	12 Months
Immunoglobulin M	IgM	Inflammation and Immunology	Nephelometry	Serum	1 Week	2 Weeks	4 Months	4 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	6 Days	2 Weeks	12 Months	12 Months
Interferon beta	IFN-β	Inflammation and Immunology	EIA	Serum	≤24 Hours	1 Day	12 Months	12 Months
Interferon gamma (Mesoscale Proinflammatory V-plex)	IFNγamma, IFNγ	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	3 Days	2 Weeks	Serum: 11 Months; EDTA-	Serum: 11 Months; EDTA-
Interferon gamma-induced Protein 10 (Meso Scale)	IP-10	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: Not Stable, EDTA	Serum: Not Stable, EDTA	Serum: 13 Months, EDTA	Serum: 13 Months, EDTA
Interleukin-1 Receptor Antagonist	IL-1ra	Inflammation and Immunology	EIA	Serum	3 Days	2 Weeks	12 Months	12 Months
Interleukin-10 (Meso Scale Proinflammatory V-Plex)	IL-10	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	3 Days	3 Days	Serum: 51 Months; EDTA-	Serum: 11 Months; EDTA-
Interleukin-12/Interleukin-23 p40 (Meso Scale)	IL-12/IL-23p40	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 3 Days, EDTA	Serum: 2 Weeks, EDTA	1 Year	1 Year
Interleukin-12p70 (Meso Scale Proinflammatory V-Plex)	IL-12p70	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	Serum: 3 Days; EDTA	Serum: 3 Days; EDTA	Serum: 11 Months; EDTA-	Serum: 51 Months; EDTA-
Interleukin-13 (Meso Scale Proinflammatory V-Plex)	IL-13	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	Serum: 1 Day; EDTA	Serum: 1 Day; EDTA	Serum: 11 Months; EDTA-	Serum: 11 Months; EDTA-
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	Serum: 1 Day, EDTA	Serum: 11 Months, EDTA	Serum: 11 Months, EDTA
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: 10 Months
Interleukin-2 (Meso Scale Proinflammatory V-Plex)	IL-2	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	Serum: 7 Days; EDTA Plasma: Not Stable	Serum: 2 Weeks; EDTA Plasma: 2 Weeks	Serum: 51 Months; EDTA Plasma: 11 Months	Serum: 51 Months; EDTA 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-23	IL-23, TH-17 panel	Inflammation and Immunology	EIA	EDTA Plasma; Serum	Not Stable	Not Stable	10 Months	10 Months
Interleukin-4 (Meso Scale Proinflammatory V-Plex)	IL-4	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	Serum: 1 Day; EDTA	Serum: 2 Weeks; EDTA	Serum: 11 Months; EDTA-	Serum: 11 Months; EDTA-
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 V-Plex)	IL-6	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	1 Week	2 Weeks	Serum: 51 Months; EDTA-	Serum: 51 Months; EDTA-
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	Serum: 2 Weeks; EDTA	Serum: 1 Year; EDTA-Not	Serum: 1 Year; EDTA-Not
Interleukin-8 (Meso Scale Proinflammatory V-Plex)	IL-8	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	1 Week	2 Weeks	Serum: 51 Months; EDTA-	Serum: 51 Months; EDTA-
JO-1 Antibody	JO-1	Inflammation and Immunology	Fluorimmunoassay	serum	8 Hours	2 Weeks	2 Weeks (Ongoing)	2 Weeks (Ongoing)
Lupus Anticoagulant		Inflammation and Immunology	Clot Detection	3.2% Na Citrate Plasma	4 Hours	N/A	2 Weeks	6 Months
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

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
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	8 Days	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 Inflammatory Protein 3 alpha (Meso Scale Chemokine V-Plex)	MIP-3a, MIP3alpha, TH-17 Panel	Inflammation and Immunology	EIA	EDTA Plasma; Serum	6 Days	3 Weeks	1 Month (Ongoing)	1 Month (Ongoing)
Macrophage Inhibitory Cytokine 1	MIC-1, GDF-15	Inflammation and Immunology	EIA	Serum	1 Week	3 Weeks	12 Months	12 Months
Matrix Metalloproteinase-9	MMP-9	Inflammation and Immunology	EIA	Heparin Plasma; Serum	1 Week	2 Weeks	1 Month (Ongoing)	1 Month (Ongoing)
Monocyte Chemoattractant Protein-1 (Meso Scale Chemokine V-Plex)	MCP-1	Inflammation and Immunology		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
Neutrophil Elastase	Neutrophilic Elastase, Elastase	Inflammation and Immunology	EIA	Platelet Poor EDTA Plasma	7 Days	2 Weeks	3 Weeks	18 Months
Prealbumin	Transthyretin	Inflammation and Immunology	Nephelometry	Serum	4 Days	3 Weeks	1 Year	1 Year
Procollagen III Peptide	PIIINP, P3NP	Inflammation and Immunology	Immunochemiluminiscence	Serum	4 Days	1 Month	12 Months	12 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
Proteinase 3	PR3	Inflammation and Immunology	EIA	EDTA Plasma	Unknown	Unknown	Unknown	Unknown
P-Selectin, Soluble	P-Selectin	Inflammation and Immunology	EIA	Citrate Plasma; EDTA Plasma	1 Week	2 Weeks	17 Months	17 Months
Regenerating Islet-derived IIIa	Reg3A	Inflammation and Immunology	EIA	Serum	1 Week	2 Week	15 months (ongoing)	15 months (ongoing)
Rheumatic Factor IgA (Validating)		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks		
Rheumatic Factor IgM (Validating)		Inflammation and Immunology	Immunoassay	Serum	8 Hours	2 Weeks		
SC5b-9		Inflammation and Immunology	EIA	EDTA Plasma	2 Hours	2 Days	7 Days	5 Months (Ongoing)
Smith Antibody, IgG	Anti-Smdp, Anti-SMD	Inflammation and Immunology	Fluorescence enzyme	Serum	8 Hours	48 Hours	2 Years	Not Acceptable
Thrombopoietin	TPO	Inflammation and Immunology	EIA	Serum	7 Days	7 Days	19 Months	19 Months
Thymus and Activation-Regulated Chemokine (Meso Scale Chemokine V-Plex)	TARC	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 7 Days, EDTA	Serum: 2 Weeks, EDTA	Serum: 13 Months, EDTA	Serum: 13 Months, EDTA
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	4 Days	1 Month	12 Months	12 Months
Transforming Growth Factor-beta1, Serum	TGF-b1	Inflammation and Immunology	EIA	Serum	2 Weeks	1 Week	12 Months	12 Months
Tryptase		Inflammation and Immunology	Fluorimmunoassay	EDTA Plasma; Serum	1 Week	2 Weeks	12 Months	12 Months
Tumor Necrosis Factor I	TNFR1	Inflammation and Immunology	EIA	Serum	1 Week	1 Month	12 Months	12 Months
Tumor Necrosis Factor II	TNFR2, TNFRSF18, sTNF	Inflammation and Immunology	EIA	Serum	7 Days	1 Month	12 Months	12 Months
Tumor Necrosis Factor beta (Meso Scale Cytokine V-Plex)	TNF-beta	Inflammation and Immunology	ECLIA	EDTA Plasma; Serum	Serum: 7 Days, EDTA	Serum: 7 Days, EDTA	Serum: 11 Months, EDTA	Serum: 13 Months, EDTA
Tumor Necrosis Factor-alpha (Meso Scale Proinflammatory V-Plex)	TNFAlpha, TNFalpha	Inflammation and Immunology	Multiplex Immunoassay	EDTA Plasma; Serum	1 Day	1 Day	Serum: 51 Months; EDTA-Plasma: 11 Months	Serum: 51 Months; EDTA-Plasma: 11 Months
VE-Cadherin		Inflammation and Immunology	EIA	Serum	3 Weeks	2 Weeks	3 Months	16 Months
Vitamin D, 1,25 dihydroxy Vitamin D	1,25 Dihydroxy Vit D	Inflammation and Immunology	ECLIA	Serum	7 Days	2 Weeks	1 Year	1 Year
Varicella-Zoster Virus IgG	Anti-VZV IgG	Inflammation and Immunology	CLIA	Serum	4 Days	4 Days	2 Weeks	2 Weeks
Apo(a) Isoform		Lipid and Lipoprotein Metabolism	Electrophoresis	Serum	1 Week	1 Month	2 Months (Ongoing)	12 Months (Ongoing)
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	12 Months	12 Months
Apolipoprotein AV	Apo AV, Apo A5	Lipid and Lipoprotein Metabolism	EIA	Serum	2 Days	6 Days	4 Months	20 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	1 Year
Apolipoprotein CII	Apo CII	Lipid and Lipoprotein Metabolism	Turbidity	Serum	72 Hours	1 Week	12 Weeks	12 Weeks

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
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
Cholesterol Ester Transfer Protein Mass	CETP Mass	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma	1 Week	2 Weeks	12 Months	12 Months
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 (Precipitation)	HDL-C	Lipid and Lipoprotein Metabolism	Precipitation	Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, High Density Lipoprotein Subfractions	HDL subfractions, HDL2, HDL3	Lipid and Lipoprotein Metabolism	Precipitation	Serum	N/A	2 Days	N/A	N/A
Cholesterol, High Density Lipoprotein Subfractions	HDL subfractions, HDL2, HDL3	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Weeks	2 Months	2 Months	1 Year
Cholesterol, Intermediate Density Lipoprotein	IDL	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Days	1 Month	1 Year	1 Year
Cholesterol, Low Density Lipoprotein (Friedewald)	LDL-C	Lipid and Lipoprotein Metabolism	Calculation	N/A	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	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	VLDL-C, Beta Quant, BQ VLDL	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	3 Days	1 Month	1 Year	1 Year
Chylomicron (Ultracentrifugation)	Chylos, CM (CM_Chol, CM_Trig, CM_PhosphoLip)	Lipid and Lipoprotein Metabolism	Ultracentrifugation	EDTA Plasma; Serum	Not Stable	7 Days	Do not freeze	Do not freeze
Electrophoresis, Lipoprotein		Lipid and Lipoprotein Metabolism	Electrophoresis	Serum	3 Days	10 Days	Not Stable	Not Stable
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
Glycerol, Free		Lipid and Lipoprotein Metabolism	Photometric	Serum	Not Stable	5 Days	2 Months	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	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-associated Phospholipase A2 Activity	Lp-PLA2 Activity	Lipid and Lipoprotein Metabolism	Photometric	EDTA Plasma; Serum	8 Hours	2 Weeks	18 Months	2.5 Years
Oxidized LDL	OxLDL	Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma; Serum	1 Day	8 Days	5 Months	12 Months
PCSK9 (R&D Systems)		Lipid and Lipoprotein Metabolism	EIA	EDTA Plasma; Serum	1 Week Serum; 3 Days	1 Month Serum, EDTA	Not Stable Serum; 2	28 Months Serum; 1 Year
Phospholipids		Lipid and Lipoprotein Metabolism	Enzymatic	Serum	2 Weeks	1 Month	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)
Retinyl Palmitate		Lipid and Lipoprotein Metabolism	UPLC	EDTA Plasma; #Serum	5 Days	1 Month	4 Months	1 Year
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	4 Hours	2 days	3 Months (Ongoing)	3 Months (Ongoing)
5'-Nucleotidase	5'-NT	Metabolic	Photometric	Serum	1 Week	1 Week	10 Months	10 Months
Alanine Aminotransferase	ALT, SGPT	Metabolic	Kinetic	Serum	3 Days	1 Week	3 Days	12 Months
Albumin (Blood)		Metabolic	Endpoint Photometric	Serum	7 Days	1 Month	6 Months	6 Months
Alkaline Phosphatase	ALP	Metabolic	Kinetic	Serum	1 Week	1 Week	3 Months	12 Months
Ammonia		Metabolic	Photometric	EDTA Plasma	Not Stable	Not Stable	3 Days	5 Months
Amylase (Blood)	Alpha Amylase	Metabolic	Enzymatic	Serum	1 Week	1 Month	1 Year	1 Year
Anion Gap		Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Aspartate Amino Transferase	AST, SGOT	Metabolic	Kinetic	Serum	3 Days	2 Weeks	3 Months	1 Year
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
Calcium (Blood)		Metabolic	Photometric	Serum	1 Week	2 Weeks	2 Years	1 Year
Calcium (Urine)		Metabolic	Photometric	Urine	1 Week	1 Week	1 Year	1 Year
Carbohydrate Deficient Transferrin, Percent	% CDT	Metabolic	Immunonephelometry	Serum	1 Day	2 Weeks	1 Year	10 Months

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Chloride (Blood)	CL	Metabolic	ISE	Serum	1 Week	1 Week	1 Year	1 Year
Chloride (Urine)	CL	Metabolic	ISE	Urine	1 Week	2 Weeks	1 Year	1 Year
Cholesterol, High Density Lipoprotein (Direct)	HDL-C	Metabolic	Enzymatic	Serum	3 Days	3 Weeks	1 Month	1 Year
Creatine Kinase	CK, CPK	Metabolic	Kinetic	Serum	10 Days	1 Month	1 Month	1 Year
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 Clearance		Metabolic	Calculation	Calculation	N/A	N/A	N/A	N/A
Cytochrome C		Metabolic	EIA	Serum	1 Week	1 Week	7 Months	7 Months
Ferritin		Metabolic	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
Fibroblast Growth Factor 19	FGF19	Metabolic	EIA	EDTA Plasma; Serum	1 Week	3 Weeks	12 Months	12 Months
Fibulin 3	FBLN3, EFEMP1	Metabolic	EIA	Serum	1 Week	3 Weeks	12 Months	11 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
Globulin		Metabolic	Calculation		N/A	N/A	N/A	N/A
Glucose (Blood)		Metabolic	Photometric	Serum	2 Weeks	2 Weeks	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
HSD17B13 rs72613567 SNP by qPCR	Detection of rs72613567 SNP	Metabolic	qPCR	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
HSD17B13 rs72613567 SNP by Sanger Sequencing	Detection of rs72613567 SNP	Metabolic	Sanger DNA Sequencing	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
Iron		Metabolic	Photometric	Serum	1 Week	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	1 Week	5 Days	1 Year	1 Year
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
Lipase		Metabolic	Enzymatic	Serum	1 Week	2 Weeks	1 Year	1 Year
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
PCSK9, Proprotein convertase subtilisin kexin 9	PCSK9	Metabolic	EIA	EDTA Plasma; Serum	1 Week	1 Month	Not Stable	28 Months
Phosphorous (Blood)		Metabolic	Endpoint Photometric	Serum	2 Days	3 Days	1 Year	1 Year
Phosphorous (Urine)		Metabolic	Endpoint Photometric	Urine	1 Week	2 Weeks	1 Year	1 Year
PNPLA3 rs738409 SNP by PCR	Detection of rs738409 SNP on	Metabolic	PCR	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
PNPLA3 rs738409 SNP by Sanger Sequencing	Detection of rs738409 SNP on	Metabolic	Sanger DNA Sequencing	K2 EDTA Whole Blood	24 Hours	5 Days	Not Stable	Not Stable
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	Transferrin, TTR	Metabolic	EIA	Serum	4 Days	3 Weeks	12 Months	12 Months
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
Pyruvate Dehydrogenase Kinase Isozyme 4	PDK4	Metabolic	EIA	EDTA Plasma	3 Days	8 Days	6 Months	6 Months
Sodium (Blood)	Na	Metabolic	ISE	Lithium Heparin Plasma; Serum	1 Week	1 Week	1 Year	1 Year
Sodium (Urine)	Na	Metabolic	ISE	Urine	1 Week	1 Week	1 Year	1 Year
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
Urea Nitrogen (Blood)	BUN	Metabolic	Kinetic	Serum	5 Days	2 Weeks	1 Year	1 Year
Urea Nitrogen (Urine)	24 Hr Urine Urea Nitrogen	Metabolic	Enzymatic	Urine	1 Week	2 Weeks	19 months without	19 months without
Uric Acid (Blood)	UA	Metabolic	Colorimetry	Serum	1 Week	1 Week	1 Year	1 Year
Uric Acid (Urine)	24 Hr Urine UA	Metabolic	Enzymatic	Urine	1 Week	2 Weeks	12 Months	12 Months
Aldolase	ALD	Musculoskeletal	Colorimetry	Serum	2 Days	2 Weeks	2 Weeks	5 Months
Deoxypyridinolines	DPD	Musculoskeletal	EIA	Urine	1 Week	3 Weeks	1 Year	1 Year
Osteocalcin		Musculoskeletal	ECLIA	EDTA Plasma; Serum	8 Hours	3 Days	3 Months	2 Years
Parathyroid Hormone, 1-34	PTH 1-34	Musculoskeletal	EIA	EDTA Plasma	1 Day	1 Day	17 Months	17 Months
Parathyroid Hormone, Intact	PTH	Musculoskeletal	ECLIA	EDTA Plasma; Serum	Not Stable	8 Days	1 Year	1 Year
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
Telopeptide C Terminal, Type 1 Collagen	Beta Crosslaps, Beta -CTX	Musculoskeletal	ECLIA	EDTA Plasma; Heparin Plasma; Serum	6 Hours	8 Hours	1 Year	1 Year

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Vitamin D, 25 OH		Musculoskeletal	ECLIA	Serum	1 Week	2 Weeks	1 Year	1 Year
Albumin (Urine)	Microalbumin	Nephrology	Nephelometry	Urine	7 Days	2 Weeks	1 Month	8 Months
Alpha-1-Microglobulin (urine)	Protein HC ³	Nephrology	Nephelometry	Urine	2 Days	8 Days	Not Stable	Not Stable
Beta 2 Microglobulin (Blood)		Nephrology	Nephelometry	Serum	2 Weeks	3 Weeks	1 Year	1 Year
Beta 2 Microglobulin (Urine)		Nephrology	Nephelometry	Urine	Not Stable	2 Days	2 Months	N/A
Beta 2 Microglobulin, High Sensitivity (Urine)	hs UR B2M	Nephrology	Nephelometry	Urine	3 Days	3 Days	18 Months	18 Months
Creatinine (Urine)		Nephrology	Jaffe	Urine	1 Week	2 Weeks	1 Year	1 Year
Creatinine, Urine (Enzymatic)		Nephrology	Photometric	Urine	1 Week	2 Weeks	12 Months	12 Months
Cystatin C		Nephrology	Nephelometry	Lithium Heparin Plasma; Serum	2 Weeks	5 Weeks	18 Months	18 Months
Cystatin C (Urine)		Nephrology	Immunoassay	Urine	Not Stable	2 Weeks	Month; Urine with TECO stabilizer 4 Months	Week; Urine with TECO stabilizer 4 Months
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
Epidermal Growth Factor	EGF	Nephrology	EIA	Urine	1 Week	3 Weeks	12 Months	12 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
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)
N-Acetyl-β-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
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
Osmolality	Osmo	Nephrology	Freezing Point Depression	Serum	7 Days	2 Weeks	Urine: 14 Months Serum: 13 Months	Urine: 14 Months Serum: 13 Months
Osmolality (Urine)	Osmo	Nephrology	Freezing Point Depression	Urine	7 Days	2 Weeks	1 Month (Ongoing)	1 Month (Ongoing)
Oxalate (Urine)		Nephrology	Photometric	Urine	7 Days	2 Weeks	1 Month (Ongoing)	1 Month (Ongoing)
Phospholipase A2 Receptor, IgG	Anti-PLA2, IgG	Nephrology	EIA	Serum	24 Hours	7 Days	5 Days	12 Months
Podocalyxin (Urine)	PODXL, PCLP1	Nephrology	EIA	Urine	6 Days	3 Weeks	2 Months	12 Months
Renin, Direct		Nephrology	CLIA	EDTA Plasma	1 Day	Not Stable	Not Stable	6 Months
Transforming Growth Factor, Beta 1, Urine	TGF-β1	Nephrology	EIA	Urine	1 Week	2 Weeks	12 Months	12 Months
Amyloid Beta 40	AB40	Neurologic	Single Molecule Array	EDTA Plasma	Not Stable	1 Day	8 Months	9 Months
Amyloid Beta 42	AB42	Neurologic	Single Molecule Array	EDTA Plasma	Not Stable	1 Day	8 Months	9 Months
Apolipoprotein E, Genotyping	Apo E Genotyping, Apo E by Sanger Sequencing	Neurologic	Molecular	EDTA Whole Blood	48 Hours	14 Days	Not Stable	2 Years
Endostatin		Neurologic	EIA	Serum	Not Stable	Not Stable	Not Stable	14 Months
Glial Fibrillary Acidic Protein	GFAP	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Weeks	12 Months	9 Months
Huntington's Disease Genotyping	HD Genotype	Neurologic	Fragment Analysis	K2 EDTA Plasma	48 Hours	14 Days	Not Stable	2 Years
Neurofilament Light Chain	NFL	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Weeks	12 Months	12 Months
pTAU-181	Threonine 181	Neurologic	Single Molecule Array	EDTA Plasma	7 Days	2 Days	12 Months	12 Months
Beta Carotene		Nutritional	UPLC	EDTA Plasma; Serum	3 Weeks	3 Months	4 Months	1 Year
Folate		Nutritional	ECLIA	Serum	Not Stable	2 Days	1 Month	N/A
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 E, Alpha		Nutritional	UPLC	EDTA Plasma; Serum	1 Week	1 Week	2 Years	5 Years
Vitamin E, Alpha (>1.006)		Nutritional	UPLC	>1.006 density Beta Quant Fraction	N/A	N/A	13 Weeks	13 Weeks
Vitamin E, Alpha (HDL)		Nutritional	UPLC	Precipitated HDL Supernatant	N/A	N/A	13 Weeks	13 Weeks
Vitamin E, Alpha (RBC)		Nutritional	UPLC	EDTA Whole Blood	N/A	5 Days	10 Weeks	13 Weeks
Vitamin E, Gamma		Nutritional	UPLC	EDTA Plasma; Serum	1 Week	1 Week	2 Years	5 Years
Vitamin E, Gamma (>1.006)		Nutritional	UPLC	>1.006 density Beta Quant Fraction	N/A	N/A	13 Weeks	13 Weeks
Vitamin E, Gamma (HDL)		Nutritional	UPLC	Precipitated HDL Supernatant	N/A	N/A	13 Weeks	13 Weeks
Vitamin E, Gamma (RBC)		Nutritional	UPLC	EDTA Whole Blood	N/A	5 Days	10 Weeks	13 Weeks
Alpha Fetoprotein	AFP	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	12 Months
APRIL	TNFSF13	Oncology	EIA	Serum	2 Days	1 Week	Not Stable	20 Months
Autotaxin	ENPP-2	Oncology	EIA	Serum	3 Days	3 Days	17 Months	17 Months
CA 125	Carbohydrate Antigen 125;	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
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	1 Month (Ongoing)	1 Month (Ongoing)

Medpace Reference Laboratories
Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
Carcinoembryonic Antigen	CEA	Oncology	ECLIA	Serum	1 Week	1 Week	1 Year	1 Year
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
Connective Tissue Growth Factor	CTGF	Oncology	EIA	EDTA Plasma	1 Week	1 Week	3 Months	12 Months
CYFRA21-1	Cytokeratin 19 Fragment	Oncology	CLIA	K3 EDTA Plasma; Lithium Heparin	4 Days	4 Days	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	1 Year (whole blood); 16
Fecal Occult Blood	FOB, iFOB	Oncology	Immunochromatography	Feces	8 Days	6 Months	2 Years	N/A
Fibroblast Growth Factor 2	FGF-2, bFGF	Oncology	EIA	Serum; Urine	Serum: Not Stable;	Serum: 2 Weeks;	Serum: 7 Months;	Serum: 12 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
Fibronectin		Oncology	EIA	Serum	7 Days	2 Weeks	11 Months	10 Months
Glypican-3 (GPC3)	GCP3	Oncology	EIA	Serum	Not Stable	Not Stable	2 Weeks	6 Months
High Mobility Group Protein B1	HMGB1	Oncology	EIA	Serum	Not Stable	1 Week	1 Week	3 Months (ongoing)
Human Platelet Factor 4	CXCL4, PF4	Oncology	EIA	Serum	1 Day	1 Day	3 weeks	4 months
Melanoma-Inhibiting Activity/Cartilage-Derived	MIA (CD-RAP)	Oncology	EIA	Serum	1 Week	2 Weeks	12 Months	11 Months
Mesothelin	Mesothelin	Oncology	EIA	Serum	7 Days	2 Weeks	14 Months	14 Months
Midkine		Oncology	EIA	Citrate Plasma; Heparin Plasma; Serum	1 Week	1 Week	3 Months	3 Months
Neuron Specific Enolase	NSE	Oncology	ECLIA	Serum	<1 Day	1 Day	3 Months	3 Months
Prostate Specific Antigen	PSA	Oncology	ECLIA	Serum	24 Hours	5 Days	6 Months	5 Years
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
S-100B		Oncology	CLIA	Serum	4 Days	14 Days	2 Months	5 Months
UGT1A1 Genotyping	UDP glucosyltransferase	Oncology	PCR	K2 EDTA Plasma, Extracted dna	48 Hours	1 Week	Not Stable	2 Years
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	33 Months Serum, 1 Year
Vascular Endothelial Growth Factor A	VEGF-A (choose VEGF by R&D)	Oncology	EIA	Citrate Plasma; EDTA Plasma; Heparin	1 Day	5 Days	20 Months	20 Months
Vascular Endothelial Growth Factor Receptor 2	VEGF-R2	Oncology	EIA	EDTA Plasma; Heparin Plasma; Serum	1 Week	1 Week	20 Months	20 Months
VHL Mutation Detection by MLPA		Oncology	Multiplex Ligation-dependent	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
Alpha glutathione S-transferase	Alpha-GST	Renal	EIA	Urine	7 Days	2 Weeks	1 Month	12 Months
Calbindin (Meso Scale Kidney Injury Panel 3)	CALB (MSD, KIP-3)	Renal	EIA	Urine	1 Day	1 Day	5 Days	12 Months
Ceruloplasmin		Renal	Immunoturbidity	Serum	3 Days	1 Week	3 Months	7 Months
Clusterin (Meso Scale Kidney Injury Panel 3)	Apolipoprotein J, CLU, AAG4,	Renal	EIA	Urine	2 Days	Not Stable	Not Stable	10 Months
Fibroblast Growth Factor 23, C-terminal	FGF-23, cFGF-23	Renal	EIA	K2 EDTA Plasma	7 Days	14 Days	15 Months	16 Months
Fibroblast Growth Factor 23, Intact	FGF-23 (intact); iFGF-23	Renal	EIA	K2 EDTA Plasma	1 Day	1 Day	12 Months	12 Months
Kidney Injury Molecule - 1 (Meso Scale Kidney Injury Panel 3)	KIM-1, TIM-1, HAVcr-1, (MSD, KIP-3)	Renal	EIA	Urine	1 Day	Not Stable	1 Month	22 Months
Osteoactivin (Meso Scale Kidney Injury Panel 3)	OA, GPNMB, HGFIN, NMB,	Renal	ECLIA	Urine	1 Day	Not Stable	3 Weeks	11 Months
Trefoil Factor 3 (Meso Scale Kidney Injury Panel 3)	TFF3, ITF, P18, TFI, (MSD, KIP-3)	Renal	EIA	Urine	N/A	N/A	N/A	N/A
Vascular Endothelial Growth Factor (Meso Scale	VEGF, VPF, Vascular	Renal	EIA	Urine	Not Stable	Not Stable	1 Month	11 Months
RNA Concentration		RNA	RNA Extraction	EDTA Whole Blood	3 Days	5 Days	8 Years	8 Years
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
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

Medpace Reference Laboratories

Validated Assays October 2023

Analyte	Aliases	Category / Therapeutic Area	Method	Sample Type(s)	Stability (Ambient)	Stability (2-8 C)	Stability (-20 C)	Stability (-70 C)
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,		Urinalysis	Manual	Urine	3 Days	3 Days	Do not freeze	Do not freeze
c-MET	c-Met	Various	EIA	Serum	1 Week	1 Month	3 Months (Ongoing)	3 Months (Ongoing)
Peripheral Blood Mononuclear Cells (PBMC)	PBMC	Various	Centrifugation	Citrate Whole Blood; EDTA Whole Blood;	48 Hrs	N/A	N/A	N/A
T Cell Immunoglobulin Mucin-3	TIM-3, HAVCR2	Various	EIA	EDTA Plasma	7 Days	7 Days	3 Months	12 Months
Transthyretin (TTR), Genotyping	TTR Geneotyping, TTR by Sanger	Various	Molecular	EDTA Whole Blood	48 Hours	14 Days	Not Stable	2 Years
Cyclic GMP	cGMP		EIA	Urine	3 Days	3 Days	3 Months	3 Months (Ongoing)
Plasminogen Concentration			Nephelometry	Na Citrate Plasma	7 Days	14 Days	12 Months	12 Months
Renin			EIA	Urine	1 Day	1 Day	7 Days	12 Months
Cyclic GMP	cGMP		EIA	Urine	3 Days	3 Days	3 Months	3 Months (Ongoing)
Plasminogen Concentration			Nephelometry	Na Citrate Plasma	7 Days	14 Days	12 Months	12 Months
Renin			EIA	Urine	1 Day	1 Day	7 Days	12 Months