



QPS BIOCHEMICAL BIOMARKER ASSAY LIST

Compound(s)	Matrix	Assay Range	Sample Volume	Anti-Coagulant	Storage Temperature (°C)	Platform	Site
Aβ-40 (Abeta-40)	Human Plasma	5 - 10,000 pg/mL	0.05 mL	EDTA	-70	ECL (MSD)	QPS-Delaware
Aβ 1-42 (Abeta 1-42)	Human CSF	3 - 2,000 pg/mL	0.025 mL	N.Ap.	-70	ECL (MSD)	QPS-Delaware
Abeta Total	Human Plasma	100 - 8,000 pg/mL	0.025 mL	EDTA	-70	ECL (MSD)	QPS-Delaware
Abeta Total	Human CSF	200 - 10,000 pg/mL	0.025 mL	N.Ap.	-70	ECL (MSD)	QPS-Delaware
Aβ (Abeta) multiplex (38, 40, 42)	Human CSF	18 - 3,000 pg/ml for Aβ38/42 16 - 10,000 pg/ml for Aβ40	0.050 mL	N.Ap.	-70	ECL (MSD) (3Plex)	QPS-Delaware
Aβ 40/42 (InnoBIA-Abeta Forms)	Human Plasma			N.Ap.	-70	Luminex (2Plex)	QPS-Delaware
α1-Acid Glycoprotein (AAG)	Human Plasma	0.131 - 4.19 g/L	0.03 mL	Heparin	-20	Nephelometry	QPS-NL
α1-Acid Glycoprotein (AAG)	Human Plasma	0.131 - 4.19 g/L	0.03 mL	EDTA	-20	Nephelometry	QPS-NL
ACTH	Monkey Plasma	9 - 1,250 pg/mL	0.17 mL	EDTA	-20	Immulite	QPS-Delaware
ACTH	Human Plasma	6.40 - 528 pg/mL	0.4 mL	EDTA	-20	ELISA	QPS-NL
Adiponectin	Human Serum	5 - 250 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Adiponectin	Human Plasma	5 - 250 ng/mL	0.05 mL	Heparin	-70	ELISA	QPS-Delaware
Adiponectin	Human Serum	780 - 100,000 ng/mL	0.04 mL	N.Ap.	-20	ELISA	QPS-NL
Akt (phospho and total)	Human Platelet Lysates	relative signal	0.050 mL	EDTA	-70	ECL (MSD)	QPS-Delaware
Albumin	Human Plasma	15 - 600 mg/L	0.01 mL	EDTA	-20	Nephelometry	QPS-NL
Albumin	Human Urine	2.50 - 90.0 mg/L	0.2 mL	N.Ap.	-20	Nephelometry	QPS-NL
Aldosterone	Rat Serum	25.0 - 1,600 pg/mL	0.2 mL	N.Ap.	-20	RIA	QPS-NL
Aldosterone	Human Plasma	25.0 - 1,600 pg/mL	0.2 mL	EDTA	-20	RIA	QPS-NL
α-GST (alpha-GST)	Human Plasma	60 - 2,000 pg/mL	0.03 mL	EDTA	-70	ELISA	QPS-Delaware
α1-Acid Glycoprotein (AAG)	Human Plasma	0.131 - 4.19 g/L	0.03 mL	Heparin	-20	Nephelometry	QPS-NL
α1-Acid Glycoprotein (AAG)	Human Plasma	0.131 - 4.19 g/L	0.03 mL	EDTA	-20	Nephelometry	QPS-NL
α1-microglobulin (A1M)	Human Urine	10 - 160 mg/L	0.04 mL	N.Ap.	-20	Nephelometry	QPS-NL
Angiotensin II	Human Plasma	2.00 - 500 pg/mL	1.2 mL	EDTA	-20	RIA	QPS-NL
Arginine Vasopressin (AVP)	Human Plasma	1.00 - 64.0 pg/mL	0.4 mL	EDTA	-20	RIA	QPS-NL
β2-microglobulin (B2M)	Human Serum	0.400 - 12.0 µg/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-Delaware
β2-microglobulin (B2M)	Human Urine	0.400 - 6.00 µg/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-Delaware
β2-microglobulin (B2M)	Human Urine	0.200 - 2.50 mg/L	0.05 mL	N.Ap.	-20	Nephelometry	QPS-NL
Bone Alkaline Phosphatase (bALP)	Human Serum	2 - 140 U/L	0.04 mL	N/A	-70	EIA	QPS-Delaware
Calcium (ionized)	Human Serum	4.0 - 20 mg/dL	0.02 mL	N.Ap.	-70	Colorimetric	QPS-DE



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CBG	Human Serum	14 - 192 µg/mL	0.04 mL	N.Ap.	-20	RIA	QPS-NL
CD40 (soluble)	Human Plasma	20 - 1250 pg/mL	0.200 mL	EDTA	-70	ELISA	QPS-Delaware
Chromogranin A	Human Serum	5 - 120 ng/mL	0.06 mL	N.Ap.	-20	ELISA	QPS-Delaware
CK18 capsase-cleaved (M30)	Human Serum	50 - 1,000 U/L	0.025 mL	N.Ap.	-70	ELISA	QPS-Delaware
CK18 total (M65)	Human Serum	25 - 2,000 U/L	0.025 mL	N.Ap.	-70	ELISA	QPS-Delaware
c-Met / Hepatocyte Growth Factor Receptor 1 (HGF-R1)	Human Plasma	1.56 - 25 ng/mL	0.200 mL	EDTA	-70	ELISA	QPS-Delaware
Collagen IV	Human Plasma	25 - 1,000 ng/mL	0.200 mL	EDTA	-70	ELISA	QPS-Delaware
Complement 1 and 2 (C1,C2)	Rat Plasma	0.03 - 3.00 µg/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Complement 2C (C2C)	Rat Plasma	10 - 500 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Complement 3a (C3a)	Human Plasma	123 - 2,238 ng/mL	0.01 mL	EDTA	-70	ELISA	QPS-Delaware
Complement 3a (C3a)	Human Plasma	10.0 - 974 ng/mL	10 µL	EDTA	-70	ELISA	QPS-NL
Complement 4 (C4)	Human Plasma	2.08 - 19.7 ng/mL	20 µL	EDTA	-70	ELISA	QPS-NL
Complement 4 (C4)	Human Plasma	0.03 - 2 ng/mL	0.01 mL	EDTA	-70	ELISA	QPS-Delaware
Complement 5a (C5a)	Human Plasma	14.5 - 1,856 µg/mL	0.08 mL	Citrate	-70	Nephelometry	QPS-NL
Complement Factor B (Bb)	Human Plasma	0.4 - 1 µg/mL	0.02 mL	EDTA	-70	EIA	QPS-Delaware
Complement Total (CH50)	Human Serum	34 - 304 U eq/mL	30 µL	N.Ap.	-70	ELISA	QPS-NL
Corticosterone	Mouse Plasma	1.0 - 145 ng/mL	0.03 mL	Heparin	-20	ELISA	QPS-NL
Corticosterone	Rat Plasma	1.1 - 164 ng/mL	0.03 mL	EDTA	-20	ELISA	QPS-NL
Cortisol	Human Serum	1 - 50 µg/dL	0.11 mL	N.Ap.	-20	Immulite	QPS-Delaware
Cortisol	Human Serum	1 - 50 µg/dL	0.1 + 0.01 mL	N.Ap.	-20	IMMULITE	QPS-Delaware
Cortisol	Dog Plasma	0.500 - 60.0 µg/dL	0.05 mL	EDTA	-20	ELISA	QPS-NL
Cortisol	Human Plasma	0.500 - 60.0 µg/dL	0.05 mL	Citrate	-20	ELISA	QPS-NL
Cortisol (free fraction)	Human Serum	5.0 - 500 ng/mL	0.2 mL	N/A	-20	LC-MS/MS	QPS-NL
Cortisol 6β-hydroxycortisol	Human Urine	1.00 - 1,000 ng/mL	0.1 mL	N.Ap.	-20	LC/MS/MS	QPS-NL
Cortisol 6β-Hydroxycortisol	Human Urine	1 - 150 ng/mL 5 - 750 ng/mL	0.2 mL	N.Ap.	-20	LC/MS/MS	QPS-Delaware
Cortisol 6β-Hydroxycortisol	Human Urine	1 - 150 ng/mL 5 - 750 ng/mL	0.2 mL	N.Ap.	-20	UPLC/MS/MS	QPS-Delaware
C-peptide	Human Serum	0.5 - 7 ng/mL	0.15 mL	N.Ap.	-20	Immulite	QPS-Delaware



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C-peptide	Human Serum	115 - 4,250 pmol/L	0.05 mL	N.Ap.	-20	ELISA	QPS-NL
C-peptide GLP-1 Insulin	Human Serum	15 - 500 pM for C-peptide 8 - 100 pM for GLP-1 (active) 40 - 1,000 pM for Insulin	0.015 mL	N.Ap.	-70	Luminex (3Plex)	QPS-Delaware
Creatine kinase-MB (CK-MB)	Human Plasma	4.29 - 572 ng/mL	0.15 mL	Heparin	-20	Immulite	QPS-Delaware
Creatinine	Human Urine	0.1 - 2 mM	0.02 mL	N.Ap.	-20	Colorimetric	QPS-Delaware
Creatinine	Human Urine	0.400 - 40.0 µg/mL	0.01 mL	N.Ap.	-20	HPLC-UV	QPS-NL
CRP	Human Plasma	0.18 - 16.2 mg/dL	0.11 mL	EDTA or Heparin	-20	Immulite	QPS-Delaware
CTxI	Human Serum	0.02 - 3.38 ng/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
CTxI	Monkey Serum	0.173 - 3.015 ng/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
CTxII	Rat Urine	10 - 500 ng/mL	0.01 mL	N.Ap.	-20	ELISA	QPS-Delaware
Cystatin C	Human Serum	3.12 - 50 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Cystatin C	Human Urine	3.12 - 50 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Cystatin C	Human Serum	0.156 - 3,000 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Cystatin C	Human Urine	1.56 - 400 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Cystatin C	Human Plasma	2 - 100 ng/mL	0.01 mL	Heparin	-20	ELISA	QPS-Delaware
Cytokine Panel - Invitrogen	Human Cell Culture Supernatants and Human Serum	Various in the pg/mL range	0.05 mL	N.Ap.	-20	Luminex (25Plex)	QPS-Delaware
Eosinophil Cationic Protein (ECP)	Human Serum and Human Cleared Sputum	0.400 - 40 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Eosinophil Derived Neurotoxin (EDN)	Human Serum and Human Cleared Sputum	0.600 - 40 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Eotaxin FGF basic IL-5 IL-13 NGF TGF-β Eotaxin-3	Human Serum	2.44 - 10,000 pg/mL	0.05 mL	N.Ap.	-70	Luminex (7Plex)	QPS-Delaware



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EPO	Monkey Plasma	0 - 400 mIU/mL	0.35 mL	Heparin	2 - 8	Immulite	QPS-Delaware
EPO	Monkey Serum	0 - 400 mIU/mL	0.35 mL	Heparin	2 - 8	Immulite	QPS-Delaware
Erk Total	Human PBMC Lysate	30 - 2,000 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
Erk pTpY185/187	Human PBMC Lysate	1.6 - 100 U/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
E-selectin	Human Plasma	0.6 - 3,000 ng/mL	0.1 mL	Heparin	-70	ELISA	QPS-Delaware
E-selectin	Human Serum	0.6 - 3,000 ng/mL	0.1 mL	N.Ap.	-70	ELISA	QPS-Delaware
Glucose	Human Plasma	100 - 4,000 µg/mL	0.05 mL	Fluoride	-20	Enzyme assay	QPS-NL
Glucose	Human Urine	6.25 - 250 µg/mL	0.5 mL	N.Ap.	-20	Enzyme assay	QPS-NL
GM-CSF IL-1β IL-2 IL-6 IL-8 IL-10 TNFα IL-12p70 IFN-γ	Human Serum	2.44 - 2,500 pg/mL for GM-CSF 2.44 - 2,500 pg/mL for IL-1β 2.44 - 2,500 pg/mL for IL-2 2.44 - 2,500 pg/mL for IL-6 2.44 - 2,500 pg/mL for IL-8 2.44 - 2,500 pg/mL for IL-10 2.44 - 2,500 pg/mL for TNF-α 9.77 - 2,500 pg/mL for IL-12p70 39.1 - 2500 pg/mL for IFN-γ	0.05 mL	N.Ap.	-20	ECL (MSD) (9plex)	QPS-NL
Hepatocyte Growth Factor (HGF)	Human Plasma	125 - 8,000 pg/mL	0.200 mL	EDTA	-70	ELISA	QPS-Delaware
HMGB-1	Human Whole Blood Supernatant	2.5 - 80 ng/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-NL
Homovanillic acid	Human CSF	10.0 - 1,000 ng/mL	0.05 mL	N.Ap.	-70	LC/MS/MS	QPS-NL
Human Growth Factor Panel I: bFGF sFLT 1 PlGF VEGF	Human Plasma	10 - 2,000 pg/mL	0.065 mL	EDTA	-70	ECL (MSD) (4Plex)	QPS-Delaware
Human Growth Factor Panel II: C-Kit VEGF-R2	Human Plasma	206 - 150,000 pg/mL for c-Kit 20.6 - 15,000 pg/mL for VEGF-R2	0.010 mL	EDTA	-70	ECL (MSD) (2Plex)	QPS-Delaware
Human Growth Hormone (GH)	Human Serum	0.05 - 40 ng/mL	0.5 mL	N/A	-20	Immulite	QPS-NL
Human IgG1	Rat Serum	50 - 5,000 ng/mL	0.005 mL	N.Ap.	-70	ELISA	QPS-Delaware



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Human IgG1	Mouse Serum	50 - 5,000 ng/mL	0.005 mL	N.Ap.	-70	ELISA	QPS-Delaware
ICAM-1	Human Serum	1.56 - 50 ng/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-Delaware
ICAM-3	Human Serum	0.625 - 20 ng/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-Delaware
IFN- α	Mouse Serum	1 - 500 pg/mL	0.1 mL	N.Ap.	-70	ELISA	QPS-Delaware
IFN- α	Human Serum	45 - 1,000 pg/mL	0.125 mL	N.Ap.	-20	ELISA	QPS-Delaware
IFN- γ IL-1 β IL-6 TNF- α	Human Plasma	4 - 2,500 pg/mL for IFN- γ 0.13 - 2,500 pg/mL for IL- β 0.15 - 2,500 pg/mL for IL-6 0.28 - 2,500 pg/mL for TNF- α	0.05 mL	EDTA	-70	ECL (MSD) (4Plex)	QPS-Delaware
IFN- γ IL-1 β IL-2 IL-4 IL-6 TNF- α	Monkey Serum	2.44 - 10,000 pg/mL for IFN- γ 2.44 - 625 pg/mL for IL-1 β 2.44 - 40,000 pg/mL for IL-2 2.44 - 2,500 pg/mL for IL-4 2.44 - 10,000 pg/mL for IL-6 9.77 - 40,000 pg/mL for TNF- α	0.15 mL	N.Ap.	-20	Luminex (6Plex)	QPS-Delaware
IGF-1	Rabbit Serum	0.2 - 6.0 ng/mL	0.02 mL	N.Ap.	-70	ELISA	QPS-Delaware
IGF-1	Rat Serum	30 - 2,000 pg/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
IGFBP-3	Human Serum	0.75 - 50 ng/mL	0.1 mL	N.Ap.	-70	ELISA	QPS-Delaware
Inhibin B	Human Serum	9.40 - 951 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Insulin	Human Serum	3.00 - 200 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-NL
Insulin	Human Serum	2 - 300 μ U/mL	0.25 mL	N.Ap.	-20	Immulite	QPS-Delaware
Insulin	Human Serum	2 - 100 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
Insulin	Human Bronchial Alveoli Fl	2 - 200 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
Insulin	Mouse Serum	2 - 200 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
Insulin	Rat Serum	2 - 200 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
Insulin	Dog Serum	2 - 100 μ U/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
Interleukin-1 β (IL-1 β)	Cell Culture Media	5 - 250 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-Delaware
Interleukin-1 β (IL-1 β)	Human Plasma	4 - 250 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
Interleukin-1 β (IL-1 β)	Human Plasma Media Mixture	4 - 500 pg/mL	0.2 mL	N.Ap.	-20	ELISA	QPS-Delaware



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Interleukin-1 β (IL-1 β)	Human Whole Blood Supernatant	24 - 1,166 pg/mL	0.4 mL	N.Ap.	-70	ELISA	QPS-NL
Interleukin-1 β (IL-1 β) High Sensitivity	Human Serum	0.125 - 8 pg/mL	0.15 mL	N.Ap.	-20	ELISA	QPS-Delaware
Interleukin-1 β (IL-1 β) Interleukin-10 (IL-10) TNF- α	Human Serum Human Plasma	20 - 4,000 pg/mL	0.06 mL	N.Ap.	-20	Luminex (3Plex)	QPS-Delaware
Interleukin-1 Receptor Antagonist (IL-1RA)	Human Serum	31.2 - 2,000 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-Delaware
Interleukin-4 (IL-4) Interleukin-5 (IL-5)	Human Serum	9.77 - 2,500 pg/mL	0.1 mL	N.Ap.	-20	ECL	QPS-NL
Interleukin-6 (IL-6)	Human Plasma	3.125 - 300 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
Interleukin-6 (IL-6)	Human Whole Blood Supernatant	19 - 2,024 pg/mL	0.2 mL	N.Ap.	-70	ELISA	QPS-NL
Interleukin-6 (IL-6)	Human Plasma	3.125 - 300 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
Interleukin-6 (IL-6) High Sensitivity	Human Plasma	0.16 - 10 pg/mL	0.2 mL	ate or EDTA or He	-20	ELISA	QPS-Delaware
Interleukin-6 (IL-6)	Human Serum	3.12 - 300 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Interleukin-6 (IL-6) High Sensitivity	Human Serum	0.16 - 10 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-Delaware
Interleukin-6 (IL-6) High Sensitivity	Human Serum	0.156 - 10.0 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Interleukin-6 soluble receptor (IL-6 sR)	Human Serum	0.0313 - 2.00 ng/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Interleukin-6 (IL-6) Interleukin-10 (IL-10) Interleukin-12 (IL-12) TNF- α	Mouse Serum	19 - 1,237 pg/mL for IL-6 13 - 837 pg/mL for IL-10 55 - 3,562 pg/mL for IL-12 13 - 850 pg/mL for TNF- α	0.10 mL	N.Ap.	-20	Luminex (4Plex)	QPS-Delaware



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Interleukin-6 (IL-6) Interleukin-10 (IL-10) Interleukin-12 (IL-12) TNF- α	Human PBMC Supernatants	2.44 - 10,000 pg/mL	0.05 mL	N.Ap.	-20	Luminex (3Plex)	QPS-Delaware
Interleukin-6 (IL-6) Interleukin-12 (IL-12) IFN- γ	Human Serum	10.547 - 1,350 pg/mL for IL-6 27.422 - 3,510 pg/mL for IL-12 2.656 - 340 pg/mL for IFN- γ	0.05 mL	N.Ap.	-70	Luminex (3Plex)	QPS-Taiwan
Interleukin-8 (IL-8)	Cell Supernatants	31.25 - 1,000 pg/mL	0.05 mL	EDTA	-20	ELISA	QPS-Delaware
Interleukin-8 (IL-8)	Human Plasma	31.25 - 1,000 pg/mL	0.05 mL	EDTA	-20	ELISA	QPS-Delaware
Interleukin-8 (IL-8)	Human Serum	31.25 - 1,000 pg/mL	0.05 mL	EDTA	-20	ELISA	QPS-Delaware
Interleukin-8 (IL-8)	Human Whole Blood Supernatant	40 - 1,615 pg/mL	0.2 mL	N.Ap.	-70	ELISA	QPS-NL
Interleukin-10 (IL-10)	Human Plasma	9.4 - 942 pg/mL	0.35 mL	Heparin	-20	Immulite	QPS-Delaware
Interleukin-10 (IL-10)	Human Serum	9.4 - 942 pg/mL	0.35 mL	Heparin	-20	Immulite	QPS-Delaware
Interleukin-10 (IL-10)	Human Whole Blood Supernatant	31.25 - 1,000 pg/mL	0.2 mL	N.Ap.	-70	ELISA	QPS-NL
Interleukin-12 (IL-12)	Human Whole Blood Supernatant	17.0 - 1,959 pg/mL	0.2 mL	N.Ap.	-70	ELISA	QPS-NL
Interleukin-15 (IL-15)	Human Serum	3.9 - 250 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-Delaware
IP-10	Human Serum	10 - 500 pg/mL	0.075 mL	N.Ap.	-70	ELISA	QPS-DE
IP-10	Human Serum	10 - 500 pg/mL	0.15 mL	N.Ap.	-70	ELISA	QPS-Taiwan
Kidney injury molecule 1 (KIM-1)	Human Urine	0.156 - 10.0 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Kidney injury molecule 1 (KIM-1)	Human Urine	50.0 - 2,000 pg/mL	0.125 mL	N.Ap.	-70	ELISA	QPS-Delaware
Lactoferrin	Human Plasma	1 - 40 ng/mL	0.050 mL	EDTA	-70	ELISA	QPS-Delaware
Leptin	Human Serum	15 - 1,000 pg/mL	0.050 mL	N.Ap.	-20	ELISA	QPS-Delaware
Leptin	Human Plasma	15 - 1,000 pg/mL	0.05 mL	EDTA	-20	ELISA	QPS-Delaware
L-Selectin (sCD62L)	Human Plasma	1 - 60 ng/mL	0.02 mL	EDTA	-70	ELISA	QPS-Delaware
LTB4	Human Plasma Extract	60 - 3,000 pg/mL	0.1 mL	Heparin	-70	ELISA	QPS-Delaware



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Luteinizing Hormone (LH)	Human Serum	0.1 - 200 mIU/mL	0.15 mL	N.Ap.	-20	Immulite	QPS-Delaware
Luteinizing Hormone (LH)	Human Serum	0.1 - 200 mIU/mL	0.5 mL	N.Ap.	-20	Immulite	QPS-NL
MCP-1	Human Serum	20 - 2,000 pg/mL	0.2 mL	N.Ap.	-20	ELISA	QPS-Delaware
MCP-1	Human Serum	0.61 - 2,500 pg/mL	0.05 mL	N.Ap.	-20	ECL	QPS-NL
Myeloperoxidase (MPO)	Human Serum	110 - 3,300 µg/mL	0.025 mL	N.Ap.	-20	ELISA	QPS-NL
Myoglobin	Human Plasma	10.4 - 1,037 ng/mL	0.11 mL	Heparin	-20	Immulite	QPS-Delaware
Myoglobin	Human Serum	10.4 - 1,037 ng/mL	0.11 mL	N.Ap.	-20	Immulite	QPS-Delaware
N-acetyl-β-D-glucosaminidase (NAG)	Human Urine	6 - 360 U/L	0.010 mL	N.Ap.	-70	Colorimetric	QPS-Delaware
Neopterin	Human Serum	2 - 250 nmol/L	0.1 mL	N.Ap.	-70	ELISA	QPS-Delaware
Neutrophil Elastase (ELA2)	Human Plasma	1 - 25 ng/mL	0.025 mL	EDTA	-70	ELISA	QPS-Delaware
Neuron Specific Enolase	Human Serum	10 - 200 ng/mL	0.022 mL	N.Ap.	-70	ELISA	QPS-Delaware
Norepinephrine (Noradrenaline)	Pig Plasma	10 - 1,500 pg/mL	0.2 mL	EDTA	-70	ELISA	QPS-Delaware
Norepinephrine (Noradrenaline)	Pig Kidney Lysates	10 - 1,500 pg/mL	0.2 mL	EDTA	-70	ELISA	QPS-Delaware
NTx	Monkey Serum	5 - 40 nM Bone Collagen Equivalents	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Osteocalcin	Human Serum	1.0 - 75 ng/mL	0.05 mL	N.Ap.	-70	ELISA	QPS-Delaware
Osteocalcin	Monkey Serum	0 - 32 ng/mL	0.025 mL	N.Ap.	-70	ELISA	QPS-Delaware
Pancreatic Polypeptide	Human Plasma	20 - 400 pg/mL	0.05 mL	EDTA	-70	ELISA	QPS-Delaware
PGE2	Human Plasma Extract	60 - 3,000 pg/mL	0.1 mL	Heparin	-70	ELISA	QPS-Delaware
PICP	Monkey Serum	1 - 80 ng/mL	0.025 mL	N.Ap.	-70	EIA	QPS-Delaware
PIGF	Human Plasma	32 - 200 pg/mL	0.1 mL	EDTA	-70	ELISA	QPS-Delaware
PIGF	Human Serum	1.00 - 30.0 pg/mL	0.4 mL	N.Ap.	-20	ELISA	QPS-NL
Progesterone	Dog Plasma	0.3 - 40 ng/mL	0.6 mL	EDTA	-20	ELISA	QPS-NL
Progesterone	Human Serum	0.300 - 40.0 ng/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-NL
Progesterone	Human Serum	0.2 - 40 ng/mL	0.5 mL	N.Ap.	-20	Immulite	QPS-NL
Progesterone	Rabbit Plasma	0.3 - 40 ng/mL	0.4 mL	EDTA	-20	ELISA	QPS-NL
Proinsulin	Human Serum	3 - 120 pmol/L	0.1 mL	N.Ap.	-20	ELISA	QPS-NL
Prolactin	Human Serum	0.5 - 150 ng/mL	0.35 mL	N.Ap.	-20	Immulite	QPS-Delaware
PSA	Human Serum	0.43 - 172 ng/mL	0.11 mL	N.Ap.	-20	Immulite	QPS-Delaware
P-Selectin	Human Plasma	0.8 - 46 ng/mL	0.02 mL	EDTA	-70	ELISA	QPS-Delaware
Pseudoephedrine	Human Plasma	2 - 2,000 ng/mL	0.05 mL	EDTA	-20 & -70	LC/MS/MS	QPS-Delaware



QPS BIOCHEMICAL BIOMARKER ASSAY LIST

Compound(s)	Matrix	Assay Range	Sample Volume	Anti-Coagulant	Storage Temperature (°C)	Platform	Site
PTH, intact	Rabbit Plasma	49 - 1,050 pg/mL	0.05 mL	EDTA	-70	ELISA	QPS-Delaware
PTH, intact	Rat Plasma	49 - 1,050 pg/mL	0.075 mL	EDTA	-70	ELISA	QPS-Delaware
PTH (1-34)	Human Plasma	15 - 300 pg/mL	0.12 mL	EDTA	-70	ELISA	QPS-Delaware
PTH (1-34)	Rabbit Plasma	49 - 1,050 pg/mL	0.05 mL	EDTA	-70	ELISA	QPS-Delaware
PTH (1-34)	Rat Plasma	49 - 1,050 pg/mL	0.05 mL	EDTA	-70	ELISA	QPS-Delaware
PTH (1-34)	Monkey Plasma	49 - 1,050 pg/mL	0.05 mL	EDTA	-70	ELISA	QPS-Delaware
RANTES	Human Plasma (Platelet Poor)	30 - 2,000 pg/mL	0.2 mL	EDTA	-70	ELISA	QPS-Delaware
Renin	Human Plasma	10.0 - 1,000 pg/mL	0.2 mL	EDTA	-20	IRMA	QPS-NL
S-100B	Human Serum	50 - 2,000 pg/mL	0.06 mL	N/A	-70	ELISA	QPS-Delaware
sFlt-1	Human Plasma	5 - 200 ng/mL	0.075 mL	EDTA	-70	ELISA	QPS-Delaware
sFlt-1	Monkey Plasma	6 - 400 ng/mL	0.075 mL	EDTA	-70	ELISA	QPS-Delaware
SHBG	Human Serum	4 - 199.3 nmol/L	0.11 mL	N.Ap.	-20	Immulite	QPS-Delaware
SHBG	Human Serum	2 - 180 nmol/L	0.5 mL	N.Ap.	-20	Immulite	QPS-NL
Phosphorylated STAT3 (pSTAT3)	Human Lysed Whole Blood	relative signal	0.15 mL	EDTA	-70	ECL (MSD)	QPS-Delaware
Phosphorylated STAT5 (pSTAT5)/Total STAT5 (tSTAT5)	Human Lysed Whole Blood	relative signal	0.15 mL	EDTA	-70	ECL (MSD)	QPS-Delaware
Survivin	Serum	31.2 - 2,000 pg/mL	0.2 mL	N.Ap.	-70	ELISA	QPS-Delaware
T3, Free	Human Serum	1.0 - 40 pg/mL	0.35 mL	N.Ap.	-20	Immulite	QPS-Delaware
T3, Total	Human Serum	40 - 600 ng/dL	0.125 mL	N.Ap.	-20	Immulite	QPS-Delaware
T4, Free	Human Serum	0.3 - 6 ng/dL	0.11 mL	N.Ap.	-20	Immulite	QPS-Delaware
T4, Total	Human Serum	1.0 - 24 µg/dL	0.115 mL	N.Ap.	-20	Immulite	QPS-Delaware
Tau	Human CSF	30 - 8,000 pg/mL	0.050 mL	N.Ap.	-69	ECL (MSD)	QPS-Delaware
pTau Aβ 42 tTau	Human CSF	7 - 264 pg/mL for pTau 28.5 - 1,721 pg/mL for Aβ 42 12 - 1,348 pg/mL for tTau	0.05 mL	N.Ap.	-70	Luminex (3Plex)	QPS-Delaware
TBG	Human Serum	3.5 - 80 µg/mL	0.12 mL	N.Ap.	-20	Immulite	QPS-Delaware
TFF-3	Human Plasma	6 - 800 pg/mL	0.2 mL	EDTA or Heparin	-20	ELISA	QPS-Delaware
Thrombin-Anti-thrombin (TAT)	Human Plasma	0.1 - 5 ng/mL	0.20 mL	EDTA	-70	ELISA	QPS-Delaware
Tissue Factor (TF)	Human Plasma	8 - 500 pg/mL	0.02 mL	EDTA	-70	ELISA	QPS-Delaware



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Compound(s)	Matrix	Assay Range	Sample Volume	Anti-Coagulant	Storage Temperature (°C)	Platform	Site
TNFR1 (soluble)	Human Serum	80 - 1,500 pg/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
TNFR2 (soluble)	Human Serum	40 - 1,000 pg/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
TNF- α	Cell Culture Media	16 - 1,000 pg/mL	0.2 mL	N.Ap.	-20	ELISA	QPS-Delaware
TNF- α	Human Plasma	16 - 1,000 pg/mL	0.2 mL	Citrate or EDTA or Heparin	-20	ELISA	QPS-Delaware
TNF- α	Human Serum	16 - 1,000 pg/mL	0.2 mL	N.Ap.	-20	ELISA	QPS-Delaware
TNF- α	Human Serum	20 - 4,000 pg/mL	0.06 mL	N.Ap.	-20	Luminex	QPS-Delaware
TNF- α High Sensitivity	Human Plasma	0.7 - 40,000 pg/mL	0.05 mL	Citrate	-20	ECL (MSD)	QPS-Delaware
TNF- α High Sensitivity	Human Serum	0.5 - 32 pg/mL	0.2 mL	N.Ap.	-20	ELISA	QPS-Delaware
TNF- α	Human Whole Blood Supernatant	6.2 - 459 pg/mL	0.4 mL	N.Ap.	-70	ELISA	QPS-NL
Troponin I	Human Plasma	3 - 236 ng/mL	0.15 mL	EDTA or Heparin	-20	Immulite	QPS-Delaware
Troponin I	Human Serum	3 - 236 ng/mL	0.15 mL	EDTA or Heparin	-20	Immulite	QPS-Delaware
Triglycerides	Human Serum	0.101 - 2.82 mmol/L	0.02 mL	N.Ap.	-20	Enzyme assay	QPS-NL
TSH	Human Plasma	0.0004 - 75 μ IU/mL	0.175 mL	Heparin	-20	Immulite	QPS-Delaware
TSH	Human Serum	0.0004 - 75 μ IU/mL	0.175 mL	Heparin	-20	Immulite	QPS-Delaware
TXB2	Human Serum	30 - 5,000 pg/mL	0.01 mL	N.Ap.	-20	ELISA	QPS-Delaware
TXB2	Human Plasma Extract	60 - 3,000 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
TXB2, 11-Dehydro	Human Urine	35 - 1,200 pg/mL	0.05 mL	N.Ap.	-20	ELISA	QPS-Delaware
VCAM-1	Human Plasma	6 - 200 ng/mL	0.020 mL	EDTA	-70	ELISA	QPS-Delaware
VEGF	Rat Plasma	32 - 2,000 pg/mL	0.1 mL	EDTA	-70	ELISA	QPS-Delaware
VEGF	Monkey Plasma	32 - 2,000 pg/mL	0.1 mL	EDTA or Heparin	-70	ELISA	QPS-Delaware
VEGF	Human Plasma	20 - 1,000 pg/mL	0.1 mL	Heparin	-20	ELISA	QPS-Delaware
VEGF	Human Serum	20 - 1,000 pg/mL	0.1 mL	N.Ap.	-20	ELISA	QPS-Delaware
VEGF	Human Serum	62.5 - 4,000 pg/mL	0.1 mL	N.Ap.	-70	ELISA	QPS-NL
VEGF-D	Human Plasma	125 - 4,000 pg/mL	0.125 mL	EDTA	-70	ELISA	QPS-Delaware
Vitamin D, 1,25-Dihydroxy	Human Serum	30 - 400 pmol/L	0.18 mL	N.Ap.	-20	EIA	QPS-Delaware
Vitamin D, 1,25-Dihydroxy	Monkey Plasma	6.5 - 491 pmol/L	0.18 mL	N.Ap.	-20	EIA	QPS-Delaware



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Compound(s)	Matrix	Assay Range	Sample Volume	Anti-Coagulant	Storage Temperature (°C)	Platform	Site
Vitamin D, 1,25-Dihydroxy	Monkey Serum	6.5 - 491 pmol/L	0.18 mL	N.Ap.	-20	EIA	QPS-Delaware
Von Willebrand Factor	Human Plasma	6 - 200% relative activity	0.18 mL	Citrate	-20	ELISA	QPS-Delaware