

## Assay List - Large Molecules

Analyte	Matrix	Sensitivity	Method
<b>Assay Method (For PK Analysis)</b>			
Etanercept	Human Serum	100 ng/mL	ELISA
Trastuzumab	Human Serum	0.817 ng/mL	ELISA
Adalimumab	Human Serum	110.0 ng/mL	ELISA
Rituximab	Human Serum	1.5 µg/mL	ELISA
Levothyroxine	Human Serum	3.5 µg/dL	ELISA
Lio thyronine	Human Serum	0.5 ng/mL	ELISA
Erythropoietin	Human Serum	3.5 mIU/mL	ELISA
Bevacizumab	Human Serum	2.0 µg/mL	ELISA
Follicle stimulating hormone (FSH)	Human Serum	30.0 pg/mL	CMIA
GCSF	Human Serum	250.0 pg/mL	ELISA
Peg-GCSF	Human Serum	250.0 pg/mL	ELISA
Teriparatide	Human Plasma	20.0 pg/mL	ELISA
<b>Assay Method (For immunogenicity Analysis)</b>			
Erythropoietin Immunogenicity assay	Human Serum	248.48 ng/mL	ELISA
Rituximab immunogenicity assay	Human Serum	-	ELISA
Bevacizumab immunogenicity assay	Human Serum	124.0 ng/mL	ELISA
Adalimumab immunogenicity assay	Human Serum	100 ng/mL	ELISA
GCSF immunogenicity assay	Human Serum	-	ELISA
Anti-Heparin-PF4	Human Plasma	-	ELISA
Trastuzumab immunogenicity assay	Human Serum	100 ng/mL	ELISA
<b>Biomarkers (For PD Analysis)</b>			
Insulin Like Growth Factor-I (IGF-I)	Human Serum	0.094 ng/mL	ELISA
Growth Hormone	Human Serum	75.0 pg/mL	ELISA
Tissue factor pathway inhibitor (TFPI)	Human Plasma	31.25 ng/mL	ELISA
Enoxaparin Sodium Anti Factor IIa	Human Plasma	0.030 IU/mL	Chromogenic
Enoxaparin Sodium Anti Factor Xa (Chromogenic assay)	Human Plasma	0.050 IU/mL	Chromogenic
Enoxaparin sodium Anti Factor Xa (Clotting assay)	Human Plasma	0.075 IU/mL	Clot based
LMWH for APTT	Human Plasma	NA	Clot based
LMWH Anti Factor IIa	Human Plasma	0.030 IU/mL	Chromogenic
LMWH Anti Factor Xa	Human Plasma	0.050 IU/mL	Chromogenic
Hep test (LMWH by Anti-Xa)	Human Plasma	0.075 IU/mL	Clot based
Her2	Human Serum	78.1 pg/mL	ELISA
Glucose	Human Serum	25 mg/dL	Chromogenic (GOD-POD)
Hemolytic potential of drug	Human blood	-	Chromogenic
Ghrelin	Human Serum	46.875 pg/mL	ELISA
Leptin	Human Serum	2.000 ng/mL	ELISA
Adiponectin	Human Serum	0.1 ug/mL	ELISA
Immunoglobulin G (IgG)	Human Serum	3.0 g/L	Turbidimetric
Immunoglobulin M (IgM)	Human Serum	0.4 g/L	Turbidimetric
Immunoglobulin A (IgA)	Human Serum	0.6 g/L	Turbidimetric
LMWH HEP Test - EU	Human Plasma	0.100 IU/mL	Clot based
LMWH Anti Factor Xa (Chromogenic assay) - EU	Human Plasma	0.050 IU/mL	Chromogenic
LMWH Anti Factor IIa (Chromogenic assay) - EU	Human Plasma	0.030 IU/mL	Chromogenic
LMWH for APTT -EU	Human Plasma	NA	Clot based

### Biomarkers

ACH(Acetylcholine)	Human Serum	31.25 pg/mL	ELISA
DA(Dopamine)	Human Serum	62.5 pg/mL	ELISA
EPI(Epinephrine/Adrenaline)	Human Serum	62.5 pg/mL	ELISA
NA/NE(Noradrenaline/Norepinephrine)	Human Serum	0.63 ng/mL	ELISA
ST/5-HT(Serotonin/5-Hydroxytryptamine)	Human Serum	31.25 ng/mL	ELISA
Human MT (Melatonin)	Human Serum	31.25 pg/mL	ELISA
MDA(Malondialdehyde)	Human Serum	62.5 ng/mL	ELISA
3-NT(3-Nitrotyrosine)	Human Serum	3.13 ng/mL	ELISA
8-epi-PGF2 $\alpha$ (8-Epi-Prostaglandin F2 Alpha), Isoprostane	Human Serum	31.25 pg/mL	ELISA
Human SOD1 (Superoxide Dismutase 1, Soluble)	Human Serum	125 pg/mL	ELISA
Human MCP-1(Monocyte Chemotactic Protein 1)	Human Serum	31.25 pg/mL	ELISA
Human OxLDL(Oxidized Low Density Lipoprotein)	Human Serum	62.5 pg/mL	ELISA
Catalase	Human Serum	31.25 pg/mL	ELISA
Adiponectin	Human Serum	4.90 - 9.10 $\mu$ g/mL	ELISA
Klotho	Human Serum	0.31 - 20.0 ng/mL	ELISA
Vitamin-C	Human Serum	1.56 - 100 $\mu$ g/mL	ELISA
1,25-dihydroxy vitamin D3	Human Serum	7.81 - 500.0 pg/mL	ELISA
Oxytocin	Human Serum	15.63 - 1000.0 pg/mL	ELISA