



diapharma

Emerging Exploratory Biomarkers for Drug Safety Studies

Improve Early DILI/DIKI Prediction
Increased Tissue Specificity

- K18 (M65®)
- ccK18 (M30®)
- L-FABP
- α -GST
- NGAL/Lipocalin-2
- Osteopontin
- Cystatin C
- α -Klotho



ELISAs for Drug-Induced Liver Injury (DILI)

Biomarker	Sample Type	Description	Available Assays	Product #
Keratin 18 (K18)	Serum or plasma	Highly specific biomarker for hepatocyte cell death (necrosis and apoptosis)	Peviva M65® ELISA Peviva M65® Epideath® ELISA	P10020 P10040
Caspase-cleaved Keratin 18 (ccK18)	Serum or plasma	Highly specific biomarker for hepatocyte apoptosis	Peviva M30® Apoptosense	P10011
Osteopontin (OPN)	Serum or plasma	Biomarker for hepatic inflammation and necrosis	Osteopontin Osteopontin N-Half	DPG27158 DPG27258
Alpha Glutathione S-Transferase (α-GST)	Serum or plasma	Short half-life; sensitive to rapid changes in liver damage	TECO Alpha® GST	TE1056
Liver Fatty Acid Binding Protein (L-FABP, FABP1)	Serum or plasma	Sensitive marker for hepatic injury (leakage)	Diapharma L-FABP	DPGLFABP

ELISAs for Drug-Induced Kidney Injury (DIKI)

Biomarker	Sample Type	Description	Available Assays	Product #
Alpha Glutathione S-Transferase (α-GST)	Urine	Biomarker for proximal tubule damage	TECO Alpha® GST	TE1056
Osteopontin (OPN)	Urine	Biomarker for damage to loop of Henle and distal tubule	Osteopontin Osteopontin N-Half	DPG27158 DPG27258
Liver Fatty Acid Binding Protein (L-FABP, FABP1)	Urine	Marker of acute kidney injury; useful for early detection of renal damage accompanying tubular dysfunction	Urinary L-FABP (FABP1)	006
Cystatin C (Cys C)	Serum, plasma, or urine	Assay for estimation of the glomerular filtration rate (GFR); more sensitive than serum creatinine tests	IMD Rapid Cystatin C	31241
Neutrophil Gelatinase-Associated Lipocalin (NGAL)	Urine	Biomarker for distal tubular damage	Diapharma NGAL (96) Diapharma NGAL (2 x 96) IMD Lipocalin-2	DPG-NGAL DPG-2NGAL 31050
Alpha Klotho (α-Klotho)	Plasma	Biomarker of impaired renal function, cytoprotective	FluoBolt™ α-KLOTHO (MEF-FIA)	FIA-1704

Questions about any product in our lineup?

We're just a click or phone call away.

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