

Luminex[®] Screening and Performance Assays

Eliminate False Positive Results

Reliable and Accurate Data

Our carefully formulated diluents minimize misleading false positive results and allow for the most accurate measurements of target analytes.

Uniquely Flexible Assay Options

We are the only company that offers two assay types. Use Screening Assays for maximum flexibility and Performance Assays for increased accuracy.

Results from our Performance Assays are benchmarked to our industry-leading Quantikine[®] ELISA kits.

Rapid Order Fulfillment

Utilize our user-friendly online ordering tool to take advantage of the fastest turn-around on the market (3-5 days*) for premixed kits.

More Results in Less Time

Screen up to 100 human analytes simultaneously.

Wide Variety of Assays

Screening Assays

Polystyrene and Magnetic bead formats

Human – up to 100 biomarkers

Mouse – up to 62 biomarkers

Rat – up to 17 biomarkers

Performance Assays

Polystyrene bead format

Human Adhesion Molecule 4-plex

Human Angiogenesis Panel

Human Biomarker Panel A

Human Cardiac Panel A

Human Cardiac Panel B

Human Cytokine Panel A

Human Cytokine Panel B

Human High Sensitivity Cytokine Panel A

Human MMP Panel

Human Obesity Panel

Human TIMP 4-plex

Rat Kidney Toxicity Panel

Multi-species TGF- β Panel

Magnetic bead format

Human Angiogenesis Panel A

Human Cytokine Panel A

Human High Sensitivity Cytokine Panel A

Human High Sensitivity Cytokine Panel B

Human Kidney Biomarker Panel

Human MMP Panel

Human TIMP 4-plex

Multi-species TGF- β Panel

*Please allow extra time when ordering through our distributor network.

For research only. Not for use in diagnostic procedures.

Eliminate False Positives with R&D Systems Luminex Assays

Analyte	Sample	R&D Systems Mouse Luminex Screening Assay*	Mouse Assay, Competitor 1*	Mouse Assay, Competitor 2*
GM-CSF	Human RF-High Sample 1	**	240	**
	Human RF-High Sample 2	**	367	**
IFN- γ	Human RF-High Sample 1	**	**	**
	Human RF-High Sample 2	**	**	204
IL-1 β	Human RF-High Sample 1	**	363	747
	Human RF-High Sample 2	**	636	1204
IL-10	Human RF-High Sample 1	**	**	420
	Human RF-High Sample 2	**	**	1382
TNF- α	Human RF-High Sample 1	**	295	84
	Human RF-High Sample 2	**	2559	247

R&D Systems Luminex screening assays outperform the competition. Human serum samples confirmed to be Rheumatoid Factor (RF)-high were purchased from Bioreclamation|VT. Mouse Th1 cell analytes common to R&D Systems Luminex panels and two major competitors were tested simultaneously. The mouse analytes selected have no reported cross-reactivity with their respective human analytes. More than half of the samples tested using competitor assays yielded false positive results (measurable signal within the standard curve) due to the high concentrations of RF in the human samples. In contrast, no false positives were observed using the R&D Systems assay.

*Results are pg/mL **Below the lowest standard

Bulk and Custom Ordering

When your research demands unique solutions, partner with expert scientists at Bio-Techne. Along with a project manager as a point of contact, expect our scientists to deliver products to meet your specifications and needs.

Recent Citations

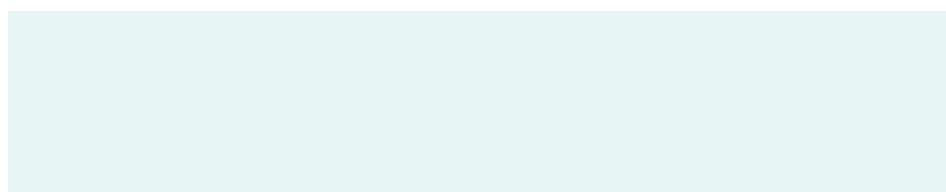
Mechanisms of paracrine cardioprotection by cord blood mesenchymal stromal cells. Bader, A.M. *et al.* (2014) *Eur. J. Cardiothorac. Surg.* **45**:983.

[Luminex® Screening Assay](#)

Sulfur compounds block MCP-1 production by Mycoplasma fermentans-infected macrophages through NF- κ B inhibition. Benedetti, F. *et al.* (2014) *J. Transl. Med.* **12**:145.

[Luminex® Performance Assay](#)

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