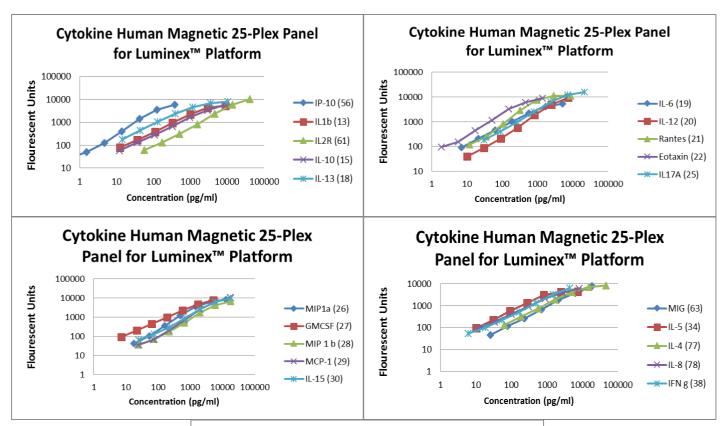
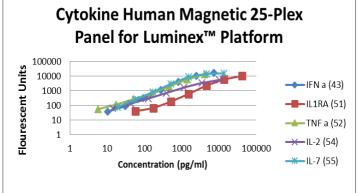


## Human Cytokine Magnetic 25-Plex Panel Technical Data Sheet

## **Performance Characteristics**

Typical Standard Curves (Note: Data presented here were collected as a 25-plex, but are depicted in 5-plex groupings for clarity.)







Analyte	Magnetic Bead Region	Sensitivity (pg / mL)	Recovery					NIBSC	NIBSC	Intra
			Serum	EDTA Plasma	Citrate Plasma	Heparin Plasma	TC*	calibration	Preparation Number	assay CV*
Eotaxin	22	<0.5	٧	٧	٧	NR	٧	N/A	N/A	9.0 %
GM-CSF	27	<0.5	٧	٧	٧	٧	٧	1 ng = 6 IU	88/646	9.1 %
IFN alpha	43	<5	٧	-	٧	٧	٧	1 ng = 14 IU	94/784	7.9 %
IFN gamma	38	<0.5	٧	٧	٧	-	٧	1 ng = 0.7 IU	82/587	9.0 %
IL-10	15	<0.5	٧	٧	٧	٧	٧	1 ng = 13 IU	93/722	9.8 %
IL-12	20	<1	٧	٧	٧	-	٧	1 ng = 11 IU	95/544	8.1 %
IL-13	18	<1	٧	٧	٧	٧	٧	1 ng = 1.2 IU	94/622	9.6 %
IL-15	30	<5	٧	٧	٧	٧	٧	1 ng = 150 IU	95/554	7.6 %
IL-17A	25	<1	٧	٧	٧	٧	٧	1 ng = 10 IU	01/420	6.0 %
IL-1 beta	13	<5	٧	٧	٧	٧	٧	1 ng = 25 IU	86/680	8.8 %
IL-1RA	51	<10	٧	٧	٧	٧	٧	1 ng =0.001 ImU	92/644	5.1 %
IL-2	54	<0.5	٧	٧	٧	٧	٧	1 ng = 7 IU	86/564	9.6 %
IL-2R	61	<10	٧	٧	٧	٧	٧	1 ng = 12.2- 40.6 IU	97/600	4.2 %
IL-4	77	<5	٧	٧	٧	٧	٧	1 ng = 65 IU	88/656	8.7 %
IL-5	34	<0.5	٧	٧	٧	٧	٧	1 ng =0.2 IU	90/586	7.5 %
IL-6	19	<0.5	٧	٧	٧	٧	٧	1 ng =30 IU	89/548	7.0 %
IL-7	55	<5	٧	٧	٧	NR	٧	1 ng = 64 IU	90/530	9.8 %
IL-8	78	<1	٧	٧	٧	٧	٧	1 ng = 40 IU	89/520	9.8 %
IP-10	56	<0.5	٧	٧	٧	٧	٧	N/A	N/A	3.7 %
MCP-1	29	<5	٧	٧	٧	٧	٧	1 ng= 1.5 IU	92/794	5.8 %
MIG	63	<5	٧	٧	٧	NR	٧	N/A	N/A	9.4 %
MIP-1 beta	28	<5	٧	٧	٧	٧	٧	N/A	N/A	3.6 %
MIP-1 alpha	26	<5	٧	٧	٧	٧	٧	1 ng = 0.4 IU	92/518	9.5 %
Rantes**	21	<5	٧	٧	٧	٧	٧	1 ng = 0.7 IU	92/520	8.9 %
TNF alpha	52	<0.5	٧	٧	٧	٧	٧	1 ng = 0.2 IU	88/786	8.3 %

<sup>\*</sup>Analysis performed during product development and with first lots produced.

Notes: 70-130% recovery (v), 50-69% recovery (-), 131-150% recovery (+), <50% or >150% recovery (NR - not recommended)

## Limited product warranty

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Product label explanation of symbols and warnings



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<sup>\*\*</sup>Additional sample dilution required for accurate recovery.