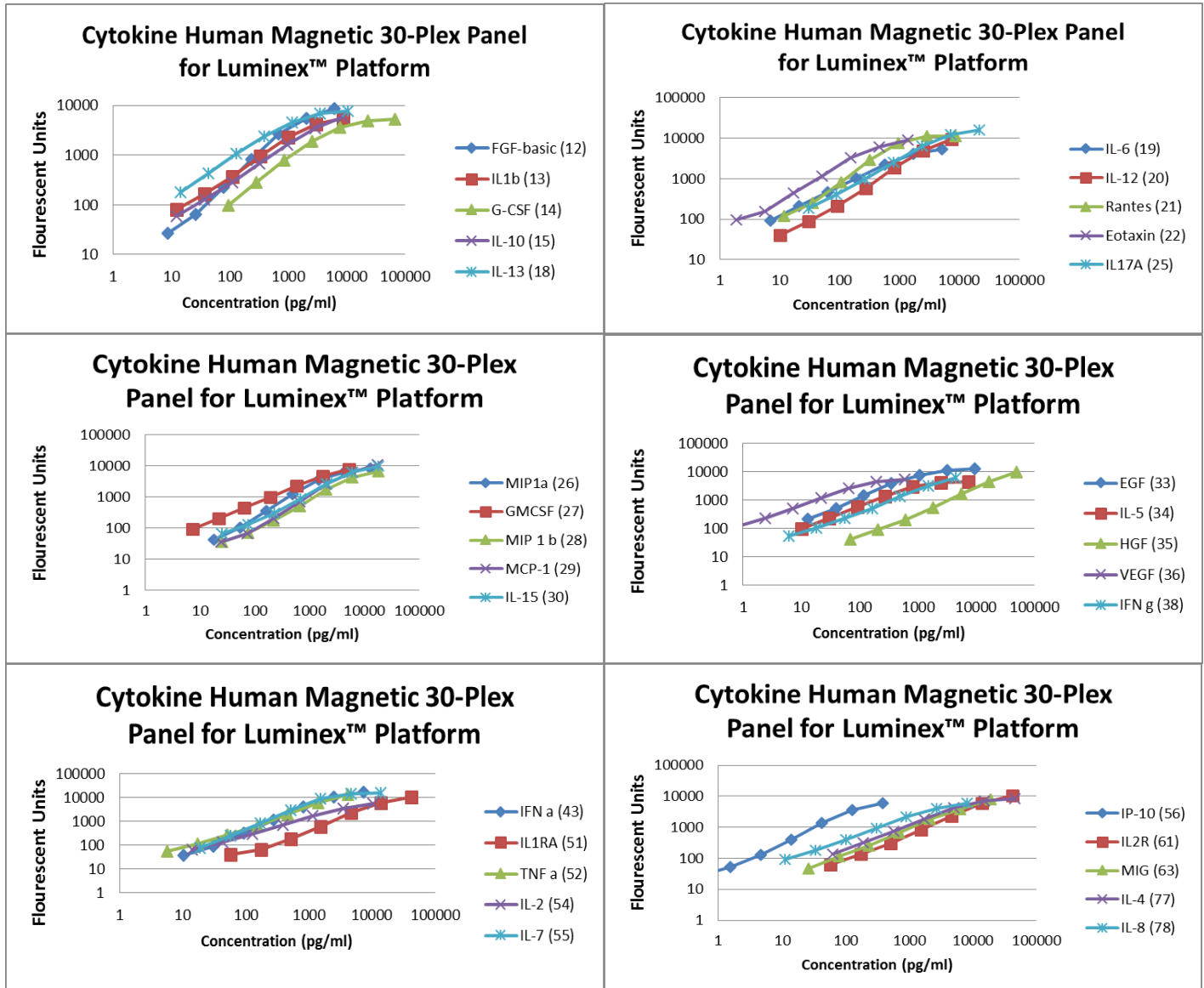


## Human Cytokine Magnetic 30-Plex Panel Technical Data Sheet

### Performance Characteristics of the Human Cytokine Magnetic 30-Plex Panel (Cat. No. LHC6003M)

Typical Standard Curves as generated for Lot 1 (Note: Data presented here were collected as a 30-plex, but are depicted in 5-plex groupings for clarity.)



Analyte	Magnetic Bead Region	Sensitivity (pg / mL)	Recovery					NIBSC calibration	NIBSC Preparation Number	Intra assay CV*
			Serum	EDTA Plasma	Citrate Plasma	Heparin Plasma	TC*			
EGF	33	<5	✓	✓	✓	✓	✓	N/A	N/A	4.0 %
Eotaxin	22	<0.5	✓	✓	✓	NR	✓	N/A	N/A	9.0 %
FGF-basic	12	<10	✓	✓	-	NR	✓	N/A	N/A	3.0 %
G-CSF	14	<15	NR	NR	NR	NR	✓	N/A	N/A	2.4 %
GM-CSF	27	<0.5	✓	✓	✓	✓	✓	1 ng = 6 IU	88/646	9.1 %
HGF	35	<10	✓	✓	✓	NR	✓	N/A	N/A	4.7 %
IFN alpha	43	<5	✓	-	✓	✓	✓	1 ng = 14 IU	94/784	7.9 %
IFN gamma	38	<0.5	✓	✓	✓	-	✓	1 ng = 0.7 IU	82/587	9.0 %
IL-10	15	<0.5	✓	✓	✓	✓	✓	1 ng = 13 IU	93/722	9.8 %
IL-12	20	<1	✓	✓	✓	-	✓	1 ng = 11 IU	95/544	8.1 %
IL-13	18	<1	✓	✓	✓	✓	✓	1 ng = 1.2 IU	94/622	9.6 %
IL-15	30	<5	✓	✓	✓	✓	✓	1 ng = 150 IU	95/554	7.6 %
IL-17A	25	<1	✓	✓	✓	✓	✓	1 ng = 10 IU	01/420	6.0 %
IL-1 beta	13	<5	✓	✓	✓	✓	✓	1 ng = 25 IU	86/680	8.8 %
IL-1RA	51	<10	✓	✓	✓	✓	✓	1 ng =0.001 ImU	92/644	5.1 %
IL-2	54	<0.5	✓	✓	✓	✓	✓	1 ng = 7 IU	86/564	9.6 %
IL-2R	61	<10	✓	✓	✓	✓	✓	1 ng = 12.2-40.6 IU	97/600	4.2 %
IL-4	77	<5	✓	✓	✓	✓	✓	1 ng = 65 IU	88/656	8.7 %
IL-5	34	<0.5	✓	✓	✓	✓	✓	1 ng =0.2 IU	90/586	7.5 %
IL-6	19	<0.5	✓	✓	✓	✓	✓	1 ng =30 IU	89/548	7.0 %
IL-7	55	<5	✓	✓	✓	NR	✓	1 ng = 64 IU	90/530	9.8 %
IL-8	78	<1	✓	✓	✓	✓	✓	1 ng = 40 IU	89/520	9.8 %
IP-10	56	<0.5	✓	✓	✓	✓	✓	N/A	N/A	3.7 %
MCP-1	29	<5	✓	✓	✓	✓	✓	1 ng= 1.5 IU	92/794	5.8 %
MIG	63	<5	✓	✓	✓	NR	✓	N/A	N/A	9.4 %
MIP-1 beta	28	<5	✓	✓	✓	✓	✓	N/A	N/A	3.6 %
MIP-1 alpha	26	<5	✓	✓	✓	✓	✓	1 ng = 0.4 IU	92/518	9.5 %
Rantes**	21	<5	✓	✓	✓	✓	✓	1 ng = 0.7 IU	92/520	8.9 %
TNF alpha	52	<0.5	✓	✓	✓	✓	✓	1 ng = 0.2 IU	88/786	8.3 %
VEGF	36	<0.5	✓	✓	✓	✓	✓	N/A	N/A	4.8 %

\*Analysis performed during product development and with first lots produced.

\*\*Additional sample dilution required for accurate recovery.

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

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#### Product label explanation of symbols and warnings

REF	Catalog Number	LOT	Batch code	Temperature limitation	Use by	Manufacturer	Consult instructions for use	Caution, consult accompanying documents
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Manufacturer's address: Bender MedSystems GmbH | Campus Vienna Biocenter 2 | 1030 Vienna, Austria

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