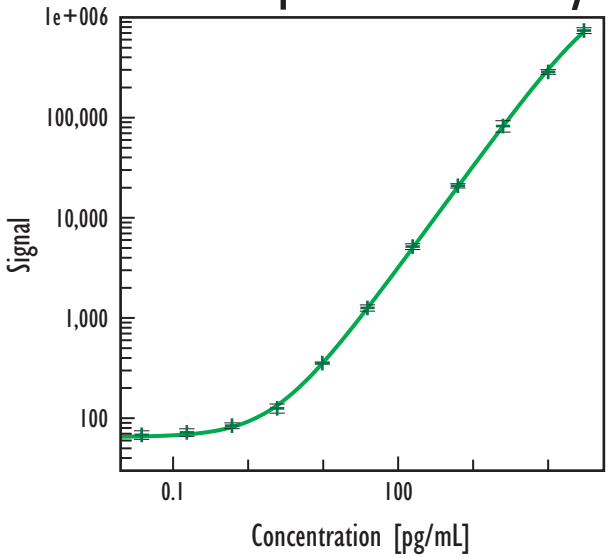
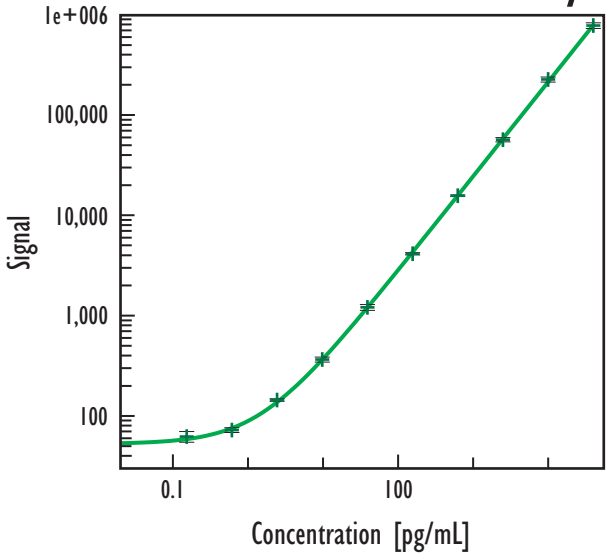
Human IL-6 Cytokine Assay (MULTI-ARRAY™ 96-Well Small Spot Plate)

Cell Supernatant Assay



Human IL-6		
Concentration (pg/mL)	Signal	
	Mean	%CV
0	59	9.0
0.010	68	7.1
0.038	68	9.8
0.15	72	8.6
0.61	84	6.6
2.4	126	10.5
9.8	355	2.2
39	1,262	7.1
156	5,165	6.5
625	20,875	4.8
2,500	82,404	13.0
10,000	285,888	5.4
40,000	738,908	6.6

Serum / Plasma Assay



Human IL-6		
Concentration (pg/mL)	Signal	
	Mean	%CV
0	51	11.0
0.15	62	12.3
0.61	72	5.5
2.4	144	2.9
9.8	365	5.7
39	1,209	6.6
156	4,140	2.7
625	15,700	1.7
2,500	56,809	4.9
10,000	226,443	5.8
40,000	781,884	6.5

Representative data shown above is for demonstration purposes only. Individual results may vary depending upon samples tested.

Detection Limits

Sample Type	Detection Limit (pg/mL)
Cell Supernatant	0.9
Serum	0.7
Plasma	1.6

Detection Limits were determined across multiple runs using 2.5 standard deviations above the background.

Recoveries

Sample Type	Average % Recovery
Cell Supernatant	108
Serum	86
EDTA Plasma	102
Heparin Plasma	99

Spike recoveries were determined in each matrix over a range of spike levels from 9.8 to 313 pg/mL. Each spike was tested in ≥ 3 replicates.

Endogenous Levels

Sample Type (# of unique samples)	Samples Below Detectable Range	Range
Serum (n=9)	0	1.2 - 15.3
EDTA Plasma (n=5)	1	n/d - 4.7
Heparin Plasma (n=5)	0	1.9 - 3.9

Endogenous cytokine levels (pg/mL) were determined for different sample types across multiple samples. (n/d indicates cytokine level below the detection limit)

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