

Units:	pg/mL	pg/mL	pg/mL	pg/mL
Manufacturer	MESO Scale Discovery (MSD)	Millipore	Millipore	RnD Systems
Assay Name	Proinflammatory Panel 1 (V-Plex Plus)	Magnetic Cytokine Panel	Magnetic HS Cytokine Panel	HS Cytokine Panel B
Catalog Number	K15049G	HCYTOMAG-60K	HSCYTMAG-60SK	LHSCM210
Other Analytes On Multiplex	IFN-g, IL-1b, IL-2, IL-4, IL-6, IL-8, IL-10, IL-12p70, IL-13, TNF-a	EGF, FGF-2, Eotaxin, TGF-a, G-CSF, Flt-3L, GM-CSF, Fractalkine, IFNa2, GRO, IL-10, MCP-3, IL-12p40, MDC, IL-12p70, PDGF-AA, IL-13, PDGF-BB, IL-15, sCD40L, IL-17, IL-1RA, IL-2Ra, IL-1a, IL-9, IL-1b, IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IP-10, MCP-1, MIP-a, MIP-b, RANTES, TNF-a, TNF-b, VEGF	IL-1b, IL-2, IL-4, IL-5, IL-6, IL-7, IL-8, IL-10, IL-12p70, IL-13, IFNg, GM-CSF	GM-CSF, IFNg, IL-1b, IL-2, IL-5, IL-6, IL-7, IL-13, IL-15, IL-17A, IL-17F, IL-22, IL-23, IL-31, IL-33, IL-36B
Volume Required Per Replicate	60uL	50uL	100 uL	150uL
Typical Dilution	1:2	None	None	1:2
Manufacturer Defined Minimum Detectible Concentration	0.20 pg/mL	0.80 pg/mL	0.18 pg/mL	0.40 pg/mL
UVM Observed Minimum Detectible Concentration	0.20 pg/mL	0.80 pg/mL	0.18 pg/mL	3.75 pg/mL
UVM Run Date	9/8/2011	11/1/2011	11/1/2011	5/2/2014
SCS050808: 1	2.64	2.17	8.74	0.04
SCS050808: 2	1.91	3.73	5.01	0.04
SCS050808: 3	1.31	1.84	3.25	0.01
SCS050808: 4	1.84	1.73	1.42	0.04
SCS050808: 5	0.77	1.51	0.37	0.04
SCS050808: 6	2.00	1.89	2.82	0.32
SCS050808: 7	2.16	2.11	1.88	0.01
SCS050808: 8	7.17	6.62	3.77	0.04
SCS050808: 9	4.83	0.98	2.46	0.06
SCS050808: 10	1.43	1.51	2.66	0.06
SCS050808: 11	0.81	1.57	3.02	0.04
SCS050808:12	1.88	2.28	2.97	
SCS050808: 13	1.38	1.67	1.02	0.04
SCS050808: 14	1.67	1.19	2.25	
SCS050808: 15	1.61	2.28	2.38	0.05
SCS050808: 16	2.21	1.73	3.52	0.04
SCS050808: 17	1.79	2.61	5.7	0.04
SCS050808: 18	1.63	1.19	1.28	0.04
SCS050808: 19	0.86	1.19	0.81	0.05
SCS050808: 20	5.82	2.39	2.79	0.11
Average	2.29	2.11	2.91	0.06

Notes:

SCS = Serum Control Set

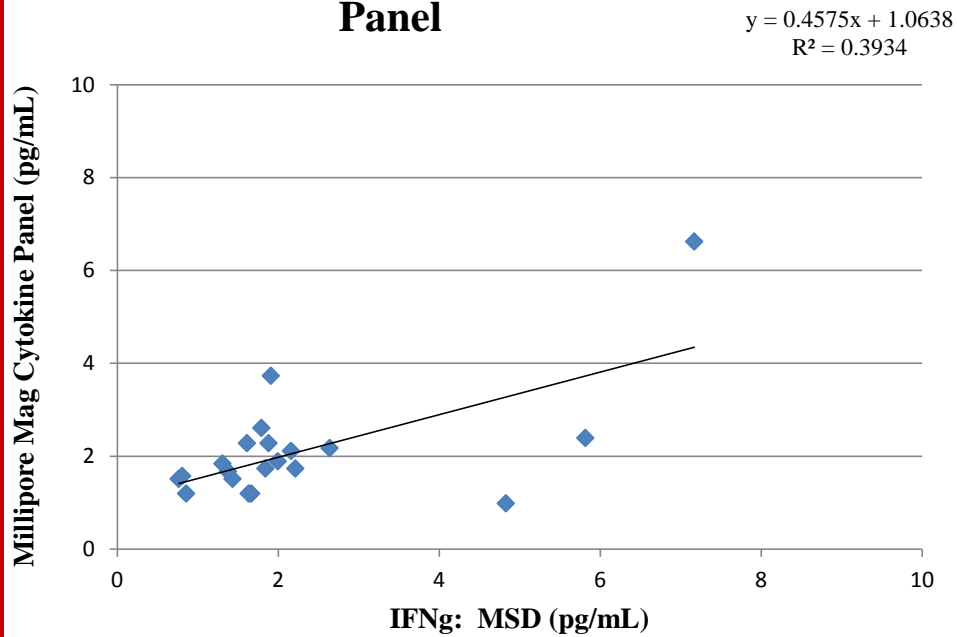
HS = High Sensitivity

Millipore Magnetic HS Cytokine Panel is obsolete. Replaced by High Sensitivity T-Cell Panel (HSTCMAG-28SK)

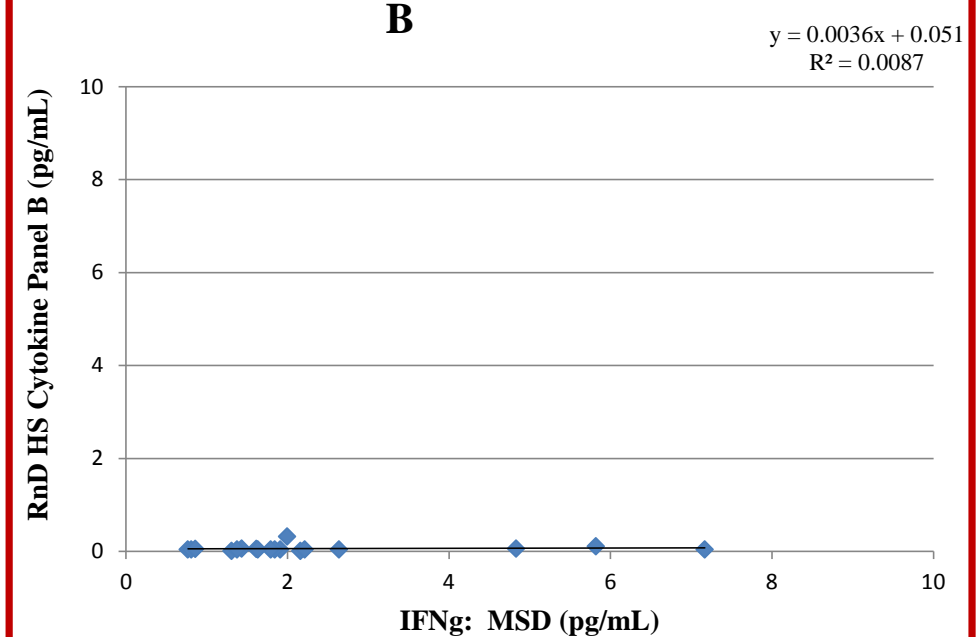
RnD Systems HS Cytokine Panel B results were all below minimum detectible concentration. Results shown are most likely random background "noise"

Sample sets with higher levels of IFNg may yeild favorable comparability to alternate assay methods and/or manufacturers

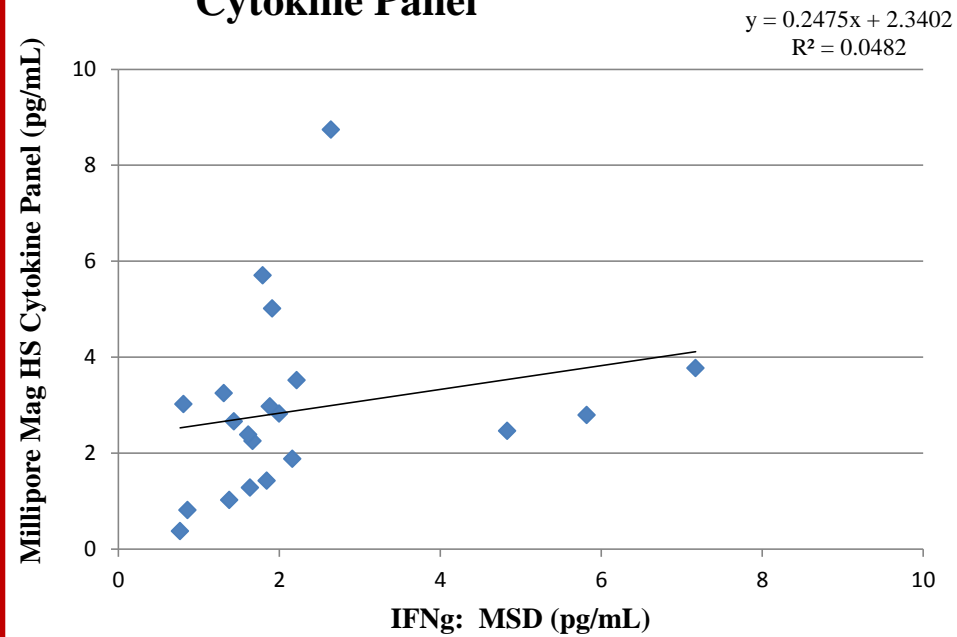
IFNg: MSD vs. Millipore Mag Cytokine Panel



IFNg: MSD vs. RnD HS Cytokine Panel



IFNg: MSD vs. Millipore Mag HS Cytokine Panel



IFNg: Millipore Magnetic Cytokine Panel vs. Magnetic HS Cytokine Panel

