



QUALITY CONTROL RANGES

MILLIPLEX® MAP Human High Sensitivity T Cell Magnetic Bead Panel Catalog # HSTCMAG-28SK,
HSTCMAG28SPMX13, HSTCMAG28SPMX21 or HSTC384PX21-MAG and

MILLIPLEX® MAP 384-Well High Sensitivity Human Cytokine Magnetic Bead Panel HSTC384-28K or HSTCMAG384-PX21
Control Catalog # HSTC-6028 Lot # HST-110 and HST-210

Analyte	QC Level	Expected Range	Units	Analyte	QC Level	Expected Range	Units
HITAC	Control 1	57 – 119	pg/mL	IL-21	Control 1	7.3 – 15	pg/mL
	Control 2	262 – 545	pg/mL		Control 2	35 – 73	pg/mL
GM-CSF	Control 1	45 – 94	pg/mL	IL-4	Control 1	54 – 113	pg/mL
	Control 2	216 – 450	pg/mL		Control 2	279 – 580	pg/mL
Fractalkine	Control 1	570 – 1185	pg/mL	IL-23	Control 1	272 – 565	pg/mL
	Control 2	2959 – 6145	pg/mL		Control 2	1262 – 2622	pg/mL
IFN γ	Control 1	35 – 72	pg/mL	IL-5	Control 1	19 – 40	pg/mL
	Control 2	147 – 305	pg/mL		Control 2	95 – 197	pg/mL
IL-10	Control 1	55 – 115	pg/mL	IL-6	Control 1	6.3 – 13	pg/mL
	Control 2	264 – 547	pg/mL		Control 2	34 – 70	pg/mL
MIP-3 α	Control 1	23 – 47	pg/mL	IL-7	Control 1	12 – 26	pg/mL
	Control 2	105 – 217	pg/mL		Control 2	70 – 146	pg/mL
IL-12 (p70)	Control 1	18 – 38	pg/mL	IL-8	Control 1	9.5 – 20	pg/mL
	Control 2	83 – 173	pg/mL		Control 2	47 – 98	pg/mL
IL-13	Control 1	8.0 – 17	pg/mL	MIP-1 α	Control 1	12 – 25	pg/mL
	Control 2	41 – 85	pg/mL		Control 2	60 – 125	pg/mL
IL-17A	Control 1	27 – 55	pg/mL	MIP-1 β	Control 1	38 – 80	pg/mL
	Control 2	122 – 254	pg/mL		Control 2	172 – 357	pg/mL
IL-1 β	Control 1	17 – 34	pg/mL	TNF α	Control 1	15 – 30	pg/mL
	Control 2	80 – 166	pg/mL		Control 2	72 – 149	pg/mL
IL-2	Control 1	17 – 36	pg/mL				
	Control 2	85 – 176	pg/mL				

**Note: The Quality Control Ranges are generated using serum matrix provided in the kit.
Quality Control Ranges in culture media are not tested.**

HSTC-6028: HST-110.210 (17 October 2023) EMD Millipore • 1-800-645-5476 • 1-800-645-5439 (FAX) • emdmillipore.com

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