



## Quality Control Ranges

**MILLIPLEX® MAP Mouse High Sensitivity T Cell Magnetic Bead Panel**  
**Kit Catalog# MHSTCMAG-70K, MHSTCMAG-70KPMX, and MHSTCMAG-70KPXBK**  
**Control Catalog # MHSTC-6070, Lot # HSTC-108 and HSTC-208**

<u>Cytokine</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>	<u>Cytokine</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>
GM-CSF	Control 1	183 – 381	pg/mL	IL-10	Control 1	45 – 93	pg/mL
	Control 2	684 – 1422	pg/mL		Control 2	176 – 366	pg/mL
IFN $\gamma$	Control 1	16 – 32	pg/mL	IL-12 (p70)	Control 1	67 – 138	pg/mL
	Control 2	62 – 129	pg/mL		Control 2	279 – 579	pg/mL
IL-1 $\alpha$	Control 1	86 – 178	pg/mL	IL-13	Control 1	140 – 291	pg/mL
	Control 2	360 – 748	pg/mL		Control 2	487 – 1012	pg/mL
IL-1 $\beta$	Control 1	101 – 211	pg/mL	LIX	Control 1	78 – 163	pg/mL
	Control 2	394 – 817	pg/mL		Control 2	290 – 602	pg/mL
IL-2	Control 1	15 – 32	pg/mL	IL-17A	Control 1	17 – 35	pg/mL
	Control 2	57 – 119	pg/mL		Control 2	69 – 143	pg/mL
IL-4	Control 1	2.7 – 5.6	pg/mL	KC	Control 1	29 – 60	pg/mL
	Control 2	11 – 23	pg/mL		Control 2	113 – 236	pg/mL
IL-5	Control 1	28 – 59	pg/mL	MCP-1	Control 1	86 – 179	pg/mL
	Control 2	120 – 250	pg/mL		Control 2	377 – 784	pg/mL
IL-6	Control 1	31 – 65	pg/mL	MIP-2	Control 1	238 – 495	pg/mL
	Control 2	125 – 261	pg/mL		Control 2	937 – 1946	pg/mL
IL-7	Control 1	11 – 23	pg/mL	TNF $\alpha$	Control 1	12 – 25	pg/mL
	Control 2	46 – 96	pg/mL		Control 2	51 – 105	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.**

MHSTC-6070: HSTC-108.208 (01 February 2024)

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