



QUALITY CONTROL RANGES
MILLIPLEX® MAP Human Th17 Magnetic Bead Panel
Catalog # HTH17MAG-14K, HT17MG-14K-PX25, HT17MAG14PMX25BK
Control Catalog # HTH17-6014 Lot # TH17-114.214

<u>Analyte</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>
IL-17F	Control 1	0.23 – 0.48	ng/mL	IL-2	Control 1	119 – 247	pg/mL
	Control 2	2.5 – 5.1	ng/mL		Control 2	1236 – 2568	pg/mL
GMCSF	Control 1	0.58 – 1.2	ng/mL	IL-21	Control 1	45 – 93	pg/mL
	Control 2	6.5 – 13	ng/mL		Control 2	456 – 947	pg/mL
IFNG	Control 1	105 – 230	pg/mL	IL-4	Control 1	0.22 – 0.46	ng/mL
	Control 2	1019 – 2116	pg/mL		Control 2	2.3 – 4.7	ng/mL
IL-10	Control 1	13 – 27	pg/mL	IL-23	Control 1	3.8 – 8.0	ng/mL
	Control 2	134 – 278	pg/mL		Control 2	38 – 79	ng/mL
CCL20/MIP3α	Control 1	57 – 119	pg/mL	IL-5	Control 1	64 – 132	pg/mL
	Control 2	539 – 1119	pg/mL		Control 2	651 – 1351	pg/mL
IL-12P70	Control 1	50 – 105	pg/mL	IL-6	Control 1	22 – 46	pg/mL
	Control 2	544 – 1130	pg/mL		Control 2	240 – 498	pg/mL
IL-13	Control 1	70 – 145	pg/mL	IL-17E/IL-25	Control 1	1.3 – 2.6	ng/mL
	Control 2	773 – 1606	pg/mL		Control 2	10.5 – 22	ng/mL
IL-15	Control 1	34 – 71	pg/mL	IL-27	Control 1	0.61 – 1.3	ng/mL
	Control 2	434 – 900	pg/mL		Control 2	6.6 – 14	ng/mL
IL-17A	Control 1	124 – 258	pg/mL	IL-31	Control 1	0.49 – 1.0	ng/mL
	Control 2	1279 – 2657	pg/mL		Control 2	4.7 – 9.7	ng/mL
IL-22	Control 1	0.35 – 0.73	ng/mL	TNFα	Control 1	24 – 49	pg/mL
	Control 2	3.6 – 7.4	ng/mL		Control 2	233 – 484	pg/mL
IL-9	Control 1	85 – 177	pg/mL	TNF β	Control 1	0.41 – 0.85	ng/mL
	Control 2	891 – 1850	pg/mL		Control 2	3.8 – 8.0	ng/mL
IL-1β	Control 1	50 – 103	pg/mL	IL-28A	Control 1	0.51 – 1.1	ng/mL
	Control 2	491 – 1019	pg/mL		Control 2	5.1 – 11	ng/mL
IL-33	Control 1	52 – 108	pg/mL				
	Control 2	513 – 1065	pg/mL				