

## Quality Control Ranges



**MILLIPLEX® MAP Human Cytokine/ Chemokine Magnetic Bead Panel Catalog# HCYTOMAG-60K, HCYTOMAG-60K-PX29, HCYTMAG60PMX29BK, HCYTOMAG-60K-PX30, HCYTMAG60PMX30BK Control Catalog # MXH6060-2 Lot # HCY-110 and HCY-210**

<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>
EGF	Control 1	103 - 214	pg/mL	IL-12 (p70)	Control 1	109 - 226	pg/mL
	Control 2	536 - 1113	pg/mL		Control 2	561 - 1165	pg/mL
Eotaxin	Control 1	99 - 206	pg/mL	IL-13	Control 1	105 - 217	pg/mL
	Control 2	501 - 1041	pg/mL		Control 2	536 - 1169	pg/mL
G-CSF	Control 1	112 - 232	pg/mL	IL-15	Control 1	93 - 193	pg/mL
	Control 2	561 - 1165	pg/mL		Control 2	484 - 1005	pg/mL
GM-CSF	Control 1	86 - 179	pg/mL	IL-17	Control 1	97 - 201	pg/mL
	Control 2	456 - 947	pg/mL		Control 2	508 - 1055	pg/mL
IFN $\alpha$ 2	Control 1	94 - 196	pg/mL	IL-1ra	Control 1	87 - 180	pg/mL
	Control 2	444 - 923	pg/mL		Control 2	386 - 802	pg/mL
IFN $\gamma$	Control 1	96 - 200	pg/mL	IL-1 $\alpha$	Control 1	113 - 235	pg/mL
	Control 2	507 - 1053	pg/mL		Control 2	513 - 1065	pg/mL
IL-10	Control 1	100 - 208	pg/mL	IL-1 $\beta$	Control 1	87 - 180	pg/mL
	Control 2	527 - 1094	pg/mL		Control 2	430 - 892	pg/mL
IL-12 (p40)	Control 1	108 - 225	pg/mL	IL-2	Control 1	95 - 197	pg/mL
	Control 2	572 - 1188	pg/mL		Control 2	480 - 997	pg/mL

**\*\*\*Additional Analytes on reverse side\*\*\***

**Note: The Quality Control Ranges are generated with overnight assay format using serum matrix provided in the kit.**

**\*Rantes Ranges are generated with overnight assay format using Assay Buffer provided in the kit. Quality Control Ranges for 2 hour format and Quality Control Ranges in culture media are not tested.**

## Quality Control Ranges

**MILLIPLEX<sup>®</sup> MAP Human Cytokine/ Chemokine Magnetic Bead Panel Catalog# HCYTOMAG-60K,  
HCYTOMAG-60K-PX29, HCYTMAG60PMX29BK, HCYTOMAG-60K-PX30, HCYTMAG60PMX30BK  
Control Catalog # MXH6060-2 Lot # HCY-110 and HCY-210**

<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>
IL-3	Control 1	99 - 205	pg/mL	MCP-1	Control 1	99 - 205	pg/mL
	Control 2	529 - 1099	pg/mL		Control 2	529 - 1099	pg/mL
IL-4	Control 1	87 - 181	pg/mL	MIP-1 $\alpha$	Control 1	124 - 257	pg/mL
	Control 2	432 - 898	pg/mL		Control 2	785 - 1631	pg/mL
IL-5	Control 1	108 - 223	pg/mL	MIP-1 $\beta$	Control 1	88 - 183	pg/mL
	Control 2	523 - 1086	pg/mL		Control 2	465 - 966	pg/mL
IL-6	Control 1	100 - 207	pg/mL	*RANTES	Control 1	96 - 199	pg/mL
	Control 2	527 - 1094	pg/mL		Control 2	555 - 1154	pg/mL
IL-7	Control 1	93 - 193	pg/mL	TNF $\alpha$	Control 1	85 - 177	pg/mL
	Control 2	492 - 1021	pg/mL		Control 2	493 - 1024	pg/mL
IL-8	Control 1	98 - 203	pg/mL	TNF $\beta$	Control 1	106 - 221	pg/mL
	Control 2	470 - 977	pg/mL		Control 2	523 - 1087	pg/mL
IP-10	Control 1	98 - 204	pg/mL	VEGF	Control 1	102 - 343	pg/mL
	Control 2	516 - 1072	pg/mL		Control 2	465 - 1185	pg/mL

**\*\*\*Additional Analytes on reverse side\*\*\***

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