



Quality Control Ranges

Human Cytokine/ Chemokine Magnetic Bead Panel Catalog# HCYTOMAG-60K, HCYTMAG-60K-PX29, HCYTMAG60PMX29BK, HCYTMAG-60K-PX30, HCYTMAG60PMX30BK, HCYTMAG-60K-PX38, HCYTMAG60PMX38BK, HCYTMAG-60K-PX41, HCYTMAG60PMX41BK

Control Catalog # MXH6060 Lot # HCC 121A and HCC 221A

Cytokine	Standard Value Assignment		Units	Cytokine	QC Level	Expected Range	Units
PDGF-AA	30,000		pg/mL	GRO	Control 1	105 – 217	pg/mL
Cytokine	QC Level	Expected Range	Units		Control 2	501 – 1040	pg/mL
EGF	Control 1	100 – 208	pg/mL	IL-10	Control 1	106 – 221	pg/mL
	Control 2	475 – 986	pg/mL		Control 2	528 – 1097	pg/mL
FGF-2	Control 1	82 – 170	pg/mL	MCP-3	Control 1	102 – 211	pg/mL
	Control 2	448 – 930	pg/mL		Control 2	475 – 986	pg/mL
Eotaxin	Control 1	106 – 220	pg/mL	IL-12p40	Control 1	103 – 214	pg/mL
	Control 2	503 – 1045	pg/mL		Control 2	541 – 1124	pg/mL
TGF- α	Control 1	101 – 211	pg/mL	MDC	Control 1	133 – 277	pg/mL
	Control 2	440 – 915	pg/mL		Control 2	614 – 1276	pg/mL
G-CSF	Control 1	107 – 223	pg/mL	IL-12p70	Control 1	114 – 237	pg/mL
	Control 2	524 – 1089	pg/mL		Control 2	558 – 1159	pg/mL
Flt-3L	Control 1	101 – 210	pg/mL	*PDGF-AA	Control 1	314 - 653	pg/mL
	Control 2	508 – 1055	pg/mL		Control 2	1358 - 2821	pg/mL
GM-CSF	Control 1	91 – 190	pg/mL	IL-13	Control 1	102 – 211	pg/mL
	Control 2	474 – 985	pg/mL		Control 2	518 – 1076	pg/mL
Fractalkine	Control 1	104 – 216	pg/mL	*PDGF-AB/BB	Control 1	100 – 209	pg/mL
	Control 2	504 – 1046	pg/mL		Control 2	491 – 1019	pg/mL
IFN- α 2	Control 1	89 – 184	pg/mL	IL-15	Control 1	97 – 201	pg/mL
	Control 2	467 – 971	pg/mL		Control 2	507 – 1053	pg/mL
IFN- γ	Control 1	119 – 246	pg/mL	sCD40L	Control 1	77 – 160	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, PDGF-AA, and PDGF-AB/BB 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.

MXH6060: HCC-121A.221A (23 Feb 2023) EMD Millipore • (800) 645-5476 • (800) 645-5439 (FAX) • www.millipore.com

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Cytokine	QC Level	Expected Range	Units	Cytokine	QC Level	Expected Range	Units
	Control 2	574 – 1192	pg/mL		Control 2	419 – 870	pg/mL
IL-17A	Control 1	103 – 214	pg/mL	IL-7	Control 1	94 – 196	pg/mL
	Control 2	517– 1073	pg/mL		Control 2	490 – 1019	pg/mL
IL-1RA	Control 1	76 – 159	pg/mL	IL-8	Control 1	99 – 205	pg/mL
	Control 2	414 – 859	pg/mL		Control 2	465 – 965	pg/mL
IL-1 α	Control 1	102 – 211	pg/mL	IP-10	Control 1	98 – 203	pg/mL
	Control 2	512 –1063	pg/mL		Control 2	497– 1033	pg/mL
IL-9	Control 1	105 – 218	pg/mL	MCP-1	Control 1	111 – 230	pg/mL
	Control 2	511 - 1062	pg/mL		Control 2	489 – 1015	pg/mL
IL-1 β	Control 1	95 – 197	pg/mL	MIP-1 α	Control 1	123 – 256	pg/mL
	Control 2	487 – 1011	pg/mL		Control 2	679 – 1411	pg/mL
IL-2	Control 1	99 – 205	pg/mL	MIP-1 β	Control 1	93 – 193	pg/mL
	Control 2	492 – 1021	pg/mL		Control 2	479 – 996	pg/mL
IL-3	Control 1	108 – 224	pg/mL	*RANTES	Control 1	96 – 200	pg/mL
	Control 2	510– 1060	pg/mL		Control 2	512 – 1063	pg/mL
IL-4	Control 1	97 – 202	pg/mL	TNF α	Control 1	94 – 196	pg/mL
	Control 2	445 – 924	pg/mL		Control 2	489 – 1016	pg/mL
IL-5	Control 1	107 – 222	pg/mL	TNF β	Control 1	106 – 221	pg/mL
	Control 2	493 – 1024	pg/mL		Control 2	537 – 1115	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, PDGF-AA, and PDGF-AB/BB

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.

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IL-6	Control 1	98 – 204	pg/mL	VEGF	Control 1	99 – 205	pg/mL
	Control 2	475 – 986	pg/mL		Control 2	439 – 912	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, PDGF-AA, and PDGF-AB/BB

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