QUALITY CONTROL RANGES
MILLIPLEX® Human Circulating Cancer Biomarker Panel 1 Magnetic Bead Kit
Catalog# HCCBP1MAG-58K

Standard Catalog# HCC-8058 Lot# 858-15K
Control Catalog# HCC-6058 Lot# HCCA-115.215

Analyte	Standard Value
CA15-3	117 U/mL
CA19-9	2156 U/mL
MIF	21,800 pg/mL
Free PSA	4164 pg/mL
CEA	19,437 pg/mL
CA125	347 U/mL
CYFRA 21-1	94,323 pg/mL

Please see reverse side for Quality Control Ranges

Note: The Quality Control Ranges are generated with overnight assay format using serum matrix provided in the kit. Quality Control values in culture media are not tested. HCC-6058: Lot HCCA-115.215 (23 January 2025)

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Cytokine	QC Level	Expected Range	Units
AFP	Control 1	735 – 1528	pg/mL
	Control 2	6735 – 13987	pg/mL
Total PSA	Control 1	75 – 155	pg/mL
	Control 2	662 – 1374	pg/mL
CA15-3	Control 1	0.88 – 1.8	U/mL
	Control 2	8.4 – 18	U/mL
CA19-9	Control 1	16 – 33	U/mL
	Control 2	144 – 299	U/mL
MIF	Control 1	337 – 700	pg/mL
	Control 2	2072 – 4303	pg/mL
TRAIL	Control 1	15 – 31	pg/mL
	Control 2	130 – 271	pg/mL
Leptin	Control 1	772 – 1604	pg/mL
	Control 2	6562 – 13629	pg/mL
Free PSA	Control 1	28 – 57	pg/mL
	Control 2	234 – 487	pg/mL
IL-6	Control 1	3.4 – 7.0	pg/mL
	Control 2	31 – 65	pg/mL
sFasL	Control 1	71 – 148	pg/mL
	Control 2	639 – 1327	pg/mL
CEA	Control 1	139 – 289	pg/mL
	Control 2	1135 – 2358	pg/mL
CA125	Control 1	2.5 – 5.2	U/mL
	Control 2	22 – 45	U/mL

Cytokine	QC Level	Expected Range	Units
IL-8	Control 1	7.2 – 15	pg/mL
	Control 2	64 – 134	pg/mL
HGF	Control 1	135 – 281	pg/mL
	Control 2	1272 – 2643	pg/mL
sFas	Control 1	170 – 354	pg/mL
	Control 2	1477 – 3069	pg/mL
TNFa	Control 1	7.0 – 15	pg/mL
	Control 2	62 – 129	pg/mL
Prolactin	Control 1	656 – 1362	pg/mL
	Control 2	6153 – 12778	pg/mL
SCF	Control 1	36 – 74	pg/mL
	Control 2	319 – 663	pg/mL
CYFRA21-1	Control 1	763 – 1584	pg/mL
	Control 2	6502 – 13505	pg/mL
OPN	Control 1	3235 – 6720	pg/mL
	Control 2	29599 – 61475	pg/mL
FGF2	Control 1	64 – 133	pg/mL
	Control 2	590 – 1225	pg/mL
β-HCG	Control 1	0.44 – 0.92	mU/mL
	Control 2	4.3 – 8.9	mU/mL
HE4	Control 1	165 – 342	pg/mL
	Control 2	1589 – 3301	pg/mL
TGFα	Control 1	15 – 30	pg/mL
	Control 2	131 – 272	pg/mL
VEGF	Control 1	91 – 189	pg/mL
	Control 2	651 – 1352	pg/mL

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