



QUALITY CONTROL RANGES

MILLIPLEX[®] MAP Human Cancer Metastasis Biomarker Magnetic Bead Panel

Catalog # HCMBMAG-22K

Control Catalog # HCMB-6022

Lot# HCMB-119 and HCMB-219

Analyte	Standard Value
TWEAK	55,650 pg/mL

<u>Hormone</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>
GDF15	Control I	0.09 - 0.18	ng/mL
	Control II	1.3 – 2.8	ng/mL
DKK1	Control I	0.23 - 0.49	ng/mL
	Control II	3.8 - 8.0	ng/mL
NSE	Control I	0.97 - 2.0	ng/mL
	Control II	17 - 35	ng/mL
Osteonectin	Control I	67 - 139	ng/mL
	Control II	733 - 1522	ng/mL
Periostin	Control I	5.9 - 12	ng/mL
	Control II	91 - 189	ng/mL
TRAP5	Control I	0.62 - 1.3	ng/mL
	Control II	10 - 21	ng/mL
OPG	Control I	0.24 - 0.50	ng/mL
	Control II	3.6 - 7.5	ng/mL
YKL40	Control I	1.6 - 3.4	ng/mL
	Control II	25 - 52	ng/mL
TWEAK	Control I	0.34 - 0.7	ng/mL
	Control II	5.5 - 11	ng/mL

HCMB-6022: HCMB-119.219 (15 MAY 2025)

[SigmaAldrich.com/support](https://www.sigmaaldrich.com/support) • [SigmaAldrich.com](https://www.sigmaaldrich.com)

© 2025 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. The vibrant M logo and MILLIPLEX are trademarks of Merck KGaA, Darmstadt Germany or its affiliates.