



**QUALITY CONTROL RANGES**  
**MILLIPLEX® MAP Human Angiogenesis/ Growth Factor Magnetic Bead Panel 1**  
**Kit Catalog# HAGP1MAG-12K**  
**Control Catalog #HAGGFP1-6012-1**  
**Lot# HAGG1-113 and HAGG1-213**

<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	56 – 115	pg/mL	IL-8	Control 1	27 – 55	pg/mL
	Control 2	224 – 466	pg/mL		Control 2	109 – 226	pg/mL
Angiopoietin-2	Control 1	278 – 578	pg/mL	HGF	Control 1	502 – 1043	pg/mL
	Control 2	1097 – 2278	pg/mL		Control 2	2118 – 4399	pg/mL
G-CSF	Control 1	288 – 597	pg/mL	HB-EGF	Control 1	27 – 55	pg/mL
	Control 2	1188 – 2468	pg/mL		Control 2	108 – 225	pg/mL
BMP-9	Control 1	58 – 120	pg/mL	PLGF	Control 1	28 – 58	pg/mL
	Control 2	231 – 479	pg/mL		Control 2	111 – 230	pg/mL
Endoglin	Control 1	569 – 1182	pg/mL	VEGF-C	Control 1	132 – 275	pg/mL
	Control 2	2246 – 4664	pg/mL		Control 2	543 – 1128	pg/mL
Endothelin-1	Control 1	67 – 140	pg/mL	VEGF-D	Control 1	133 – 277	pg/mL
	Control 2	263 – 546	pg/mL		Control 2	559 – 1161	pg/mL
Leptin	Control 1	2821 – 5858	pg/mL	FGF-2	Control 1	263 – 545	pg/mL
	Control 2	11199 – 23259	pg/mL		Control 2	1038 – 2156	pg/mL
FGF-1	Control 1	301 – 625	pg/mL	VEGF-A	Control 1	288 – 598	pg/mL
	Control 2	1059 – 2199	pg/mL		Control 2	1155 – 2398	pg/mL
Follistatin	Control 1	551 – 1145	pg/mL				
	Control 2	2177 – 4522	pg/mL				

**Note: 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.**

HAGGFP1-6012-1: HAGG1-113.213 (12 October 2023)

EMD Millipore • 1-800-645-5746 • 1-800-645-5439 (FAX) • [emdmillipore.com](http://emdmillipore.com)

The M logo is a trademark of Merck KGaA, Darmstadt, Germany.

© 2013 EMD Millipore Corporation, Billerica, MA 01821 USA