



**QUALITY CONTROL RANGES**  
**MILLIPLEX<sup>®</sup> MAP Human Angiogenesis/ Growth Factor Magnetic Bead Panel 1**  
**Kit Catalog# HAGP1MAG-12K**  
**Control Catalog #HAGGFP1-6012-1**  
**Lot# HAGG1-111 and HAGG1-211**

<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	46 – 95	pg/mL	IL-8	Control 1	23 – 47	pg/mL
	Control 2	181 – 376	pg/mL		Control 2	93 – 193	pg/mL
Angiopoietin-2	Control 1	239 – 496	pg/mL	HGF	Control 1	382 – 793	pg/mL
	Control 2	973 – 2022	pg/mL		Control 2	1654 – 3436	pg/mL
G-CSF	Control 1	227 – 472	pg/mL	HB-EGF	Control 1	22 – 46	pg/mL
	Control 2	970 – 2015	pg/mL		Control 2	90 – 187	pg/mL
BMP-9	Control 1	44 – 92	pg/mL	PLGF	Control 1	22 – 46	pg/mL
	Control 2	181 – 377	pg/mL		Control 2	92 – 192	pg/mL
Endoglin	Control 1	448 – 930	pg/mL	VEGF-C	Control 1	100 – 209	pg/mL
	Control 2	1764 – 3664	pg/mL		Control 2	432 – 896	pg/mL
Endothelin-1	Control 1	59 – 123	pg/mL	VEGF-D	Control 1	110 – 229	pg/mL
	Control 2	228 – 473	pg/mL		Control 2	469 – 973	pg/mL
Leptin	Control 1	2537 – 5268	pg/mL	FGF-2	Control 1	223 – 463	pg/mL
	Control 2	9459 – 19645	pg/mL		Control 2	851 – 1767	pg/mL
FGF-1	Control 1	234 – 485	pg/mL	VEGF-A	Control 1	225 – 467	pg/mL
	Control 2	943 – 1959	pg/mL		Control 2	924 – 1920	pg/mL
Follistatin	Control 1	426– 885	pg/mL				
	Control 2	1817 – 3775	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: HAGG1-111.211 (03 Mar 2021)

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