

# Q-PLEX™ HUMAN ANGIOGENESIS (9-PLEX)



The Q-Plex™ Human Angiogenesis  
(9-Plex) is a fully quantitative plate-  
based multiplex ELISA

**QUANSYS**   
B I O S C I E N C E S

Catalog #	Product	Markers					
150249HU	Q-Plex™ Human Angiogenesis (9-plex)	Ang-2 TIMP-2	FGF TNFα	HGF VEGF	IL-8	PDGF	TIMP-1

## Background

The Q-Plex Human Angiogenesis (9-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of nine biomarkers or analytes: ANG-2, FGF basic, HGF, IL-8, PDGF-BB, TIMP-1, TIMP-2, TNFα, and VEGF.

Each kit contains a 96-well plate, featuring the relevant biomarker panel, and all the reagents required to perform testing. Q-Plex™ plates are built by absorbing nine distinct capture antibodies in a defined array to the bottom of each well. Our high quality reagents help ensure the accuracy of your results.

Using just 50 µL of sample per well, up to 80 samples can be assayed for all nine markers in the panel within 2.5 hours. Q-Plex™ Arrays provide researchers with an easy-to-use and cost effective means of generating a cytokine profile for each sample.

## Example Performance and Validation Data

Analyte	Assay Type	Calibrator Range	Upper Limit of Quantification (ULOQ)	Lower Limit of Quantification (LLOQ)	Limit of Detection	Precision* (Inter-assay)	Precision* (Intra-assay)	Average* Linearity
Ang-2	Sandwich	10,000 – 13.72 (pg/mL)	7,000 (pg/mL)	17.8 (pg/mL)	6.86 (pg/mL)	9%	7%	94%
FGF	Sandwich	5,000 – 6.86 (pg/mL)	1,167 (pg/mL)	8.92 (pg/mL)	3.43 (pg/mL)	11%	5%	103%
HGF	Sandwich	14,000 – 19.20 (pg/mL)	9,800 (pg/mL)	25 (pg/mL)	9.60 (pg/mL)	10%	8%	96%
IL-8	Sandwich	2,000 – 2.74 (pg/mL)	1,400 (pg/mL)	3.6 (pg/mL)	1.37 (pg/mL)	12%	7%	100%
PDGF	Sandwich	4,000 – 5.49 (pg/mL)	2,800 (pg/mL)	7.1 (pg/mL)	2.74 (pg/mL)	11%	12%	93%
TIMP-1	Sandwich	12,697 – 17.42 (pg/mL)	8,888 (pg/mL)	67.9 (pg/mL)	8.71 (pg/mL)	12%	11%	110%
TIMP2	Sandwich	20,000 – 27.43 (pg/mL)	14,000 (pg/mL)	35.7 (pg/mL)	13.72 (pg/mL)	10%	7%	107%
TNF-α	Sandwich	6,500 – 8.92 (pg/mL)	4,522 (pg/mL)	11.5 (pg/mL)	4.46 (pg/mL)	6%	5%	98%
VEGF	Sandwich	2,000 – 2.74 (pg/mL)	1,400 (pg/mL)	3.6 (pg/mL)	1.37 (pg/mL)	8%	6%	81%

\* Actual values may vary from kit to kit. Please see the In-Kit Certificate of Analysis included in your kit for specific values.



**Quansys Biosciences**  
365 North 600 West  
Logan, UT 84321  
www.quansysbio.com

Fax: 435-750-6869  
Phone: 435-752-0531  
Toll Free: 888-QUANSYS (782-6797)



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