QUANSYS BIOSCIENCES

Q-Plex™ Human Angiogenesis (9-Plex)

Measure More of the Signals Involved in Angiogenesis

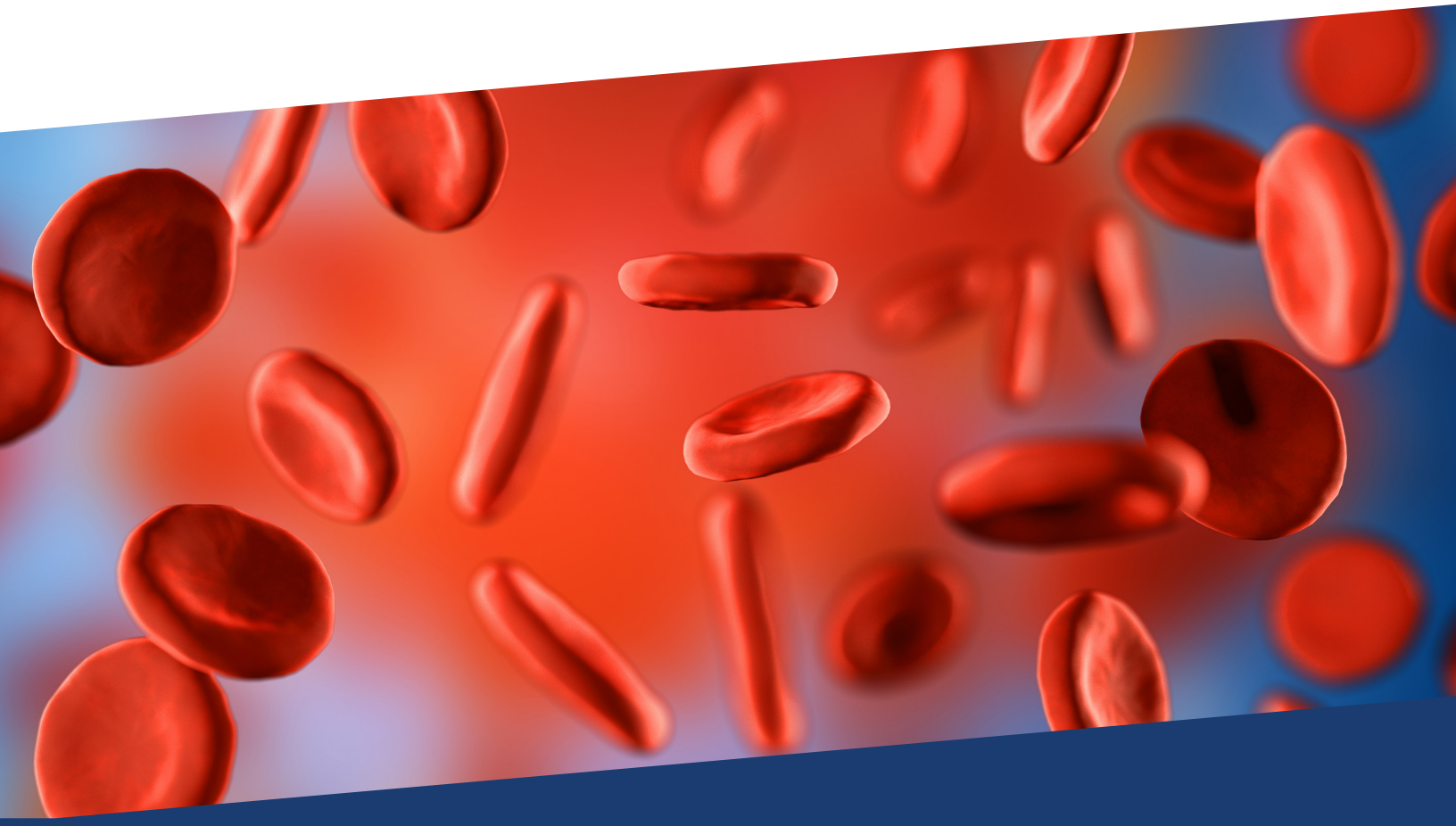
Quantify Nine Angiogenesis-Related Biomarkers Simultaneously

Angiogenesis involves growth factors, cytokines, and matrix-regulatory proteins associated with vascular development and tissue remodeling. Understanding this complex response often requires researchers to examine several biomarkers within the same samples.

The Q-Plex™ Human Angiogenesis (9-Plex) brings these measurements together in one multiplex ELISA. Using as little as 25 µL of original sample, researchers can generate quantitative results and compare related biomarkers within a single run.

A Multiplex View of Angiogenesis

- **Examine Related Biomarkers**
  Quantify growth factors, cytokines, and matrix-regulatory proteins together in each well.
- **Preserve Limited Samples**
  Measure the complete panel using a minimum of 25 µL of original sample.
- **Evaluate More Samples per Plate**
  Generate quantitative data for up to 80 samples using one 96-well plate.
- **Support Diverse Research Applications**
  Apply the panel to research involving vascular biology, cancer biology, wound healing, vascular disease, and regenerative medicine.



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.*

A Complete Multiplex Workflow

Each kit includes a Q-Plex™ Array microplate and the reagents required to process the assay. Q-View™ Imagers capture the chemiluminescent signals, and Q-View™ Software converts signal intensity into quantitative results.

Explore Angiogenesis with Q-Plex™

Visit quansysbio.com to request a quote, explore published research using Quansys multiplex technology, or speak with our team about your application.

Email: sales@quansysbio.com
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Website: quansysbio.com

For Research Use Only. Not for use in diagnostic procedures.

Specification	Value
Catalog Number	150233HU
Species Specificity	Human
Validated Sample Types	Serum and EDTA or heparin plasma
Minimum Sample Volume	25 µL of original sample
Estimated Assay Length	Approximately 2 hours and 45 minutes
Assay Type	Planar multiplex sandwich ELISA
Detection Method	Chemiluminescent
Multiplex Format	96-well solid plate
Intra-Panel Cross-Reactivity	Less than 1% for all analytes

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