

Q-PLEX™ HUMAN CHEMOKINE (9-PLEX)



The Q-Plex™ Human Chemokine (9-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of nine biomarkers or analytes

Catalog #	Product	Markers				
120233HU	Q-Plex™ Human Chemokine (9-Plex)	CXCL-1 MCP-1	Eotaxin-1 MCP-2	I-309 RANTES	IL-8 TARC	IP-10

Background

The Q-Plex Human Chemokine (9-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of nine biomarkers or analytes: Eotaxin, GRO α , I-309, IL-8, IP-10, MCP-1, MCP-2, RANTES, and TARC.

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 μ L 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
CXCL-1	Sandwich	2,000 – 2.74 (pg/mL)	1,400 (pg/mL)	3.6 (pg/mL)	1.37 (pg/mL)	8%	9%	101%
Eotaxin-1	Sandwich	1,745 - 2.39 (pg/mL)	1,222 (pg/mL)	3.1 (pg/mL)	1.20 (pg/mL)	8%	12%	107%
I-309	Sandwich	2,273 – 3.12 (pg/mL)	1,591 (pg/mL)	4.1 (pg/mL)	1.56 (pg/mL)	10%	5%	98%
IL-8	Sandwich	2,000 – 2.74 (pg/mL)	1,400 (pg/mL)	3.6 (pg/mL)	1.37 (pg/mL)	12%	7%	100%
IP-10	Sandwich	2,984 – 4.09 (pg/mL)	700 (pg/mL)	5.3 (pg/mL)	2.05 (pg/mL)	6%	4%	100%
MCP-1	Sandwich	2,000 – 2.74 (pg/mL)	467 (pg/mL)	3.6 (pg/mL)	1.37 (pg/mL)	9%	4%	99%
MCP-2	Sandwich	564 – 0.77 (pg/mL)	395 (pg/mL)	9.1 (pg/mL)	0.39 (pg/mL)	11%	4%	103%
RANTES	Sandwich	6,703 – 9.19 (pg/mL)	4,692 (pg/mL)	12.0 (pg/mL)	4.60 (pg/mL)	7%	6%	102%
TARC	Sandwich	1,500 – 2.06 (pg/mL)	1,050 (pg/mL)	2.7 (pg/mL)	1.03 (pg/mL)	8%	7%	106%

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



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