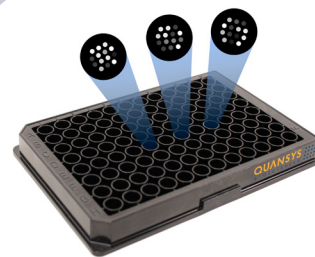


Q-PLEX™ MOUSE
CYTOKINE
INFLAMMATION
HS (13-PLEX)



The Q-Plex™ Mouse Cytokine Inflammation HS (13-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of fourteen biomarkers.

Catalog #	Product	GMCSF	IL-1 α	IL-1 β	IL-2	IL-3
111049MS-13P	Q-Plex™ Mouse Cytokine Inflammation HS (13-Plex)	IL-4	IL-6	IL-10	IL-12p70	IL-17A
		MIP-1 α	TNF α	RANTES		

Background

The Q-Plex Mouse Cytokine Inflammation HS (13-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of fourteen biomarkers: IL-1 α , IL-1 β , IL-2, IL-3, IL-4, IL-6, IL-10, IL-12p70, IL-17A, TNF α , MIP-1 α , GMCSF, RANTES.

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 fourteen distinct capture antibodies to the bottom of each well in a defined array. Our high quality reagents help ensure the accuracy of your results.

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
GMCSF	Sandwich	560 - 0.77 (pg/mL)	301 (pg/mL)	0.77 (pg/mL)	0.38 (pg/mL)	4.9%	7.5%	94%
IL-1 α	Sandwich	610 - 0.84 (pg/mL)	546 (pg/mL)	1.39 (pg/mL)	0.42 (pg/mL)	3.3%	7.4%	108%
IL-1 β	Sandwich	2,500 - 3.43 (pg/mL)	1,673 (pg/mL)	4.26 (pg/mL)	1.71 (pg/mL)	3.1%	9.3%	81%
IL-2	Sandwich	360 - 0.49 (pg/mL)	161 (pg/mL)	0.41 (pg/mL)	0.25 (pg/mL)	5.1%	6.6%	88%
IL-3	Sandwich	60 - 0.082 (pg/mL)	21 (pg/mL)	0.053 (pg/mL)	0.041 (pg/mL)	4.7%	7.0%	106%
IL-4	Sandwich	400 - 0.55 (pg/mL)	126 (pg/mL)	0.32 (pg/mL)	0.27 (pg/mL)	6.2%	6.6%	98%
IL-6	Sandwich	504 - 0.69 (pg/mL)	819 (pg/mL)	2.09 (pg/mL)	0.35 (pg/mL)	7.3%	6.1%	106%
IL-10	Sandwich	667 - 0.91 (pg/mL)	469 (pg/mL)	1.19 (pg/mL)	0.46 (pg/mL)	7.5%	3.0%	113%
IL-12p70	Sandwich	572 - 0.78 (pg/mL)	399 (pg/mL)	1.02 (pg/mL)	0.39 (pg/mL)	5.5%	10.8%	107%
IL-17A	Sandwich	760 - 1.04 (pg/mL)	539 (pg/mL)	1.37 (pg/mL)	0.52 (pg/mL)	6.5%	6.1%	92%
MIP-1 α	Sandwich	1,000 - 1.37 (pg/mL)	483 (pg/mL)	1.23 (pg/mL)	0.69 (pg/mL)	10.9%	6.7%	94%
RANTES	Sandwich	1,653 - 2.27 (pg/mL)	1,330 (pg/mL)	3.39 (pg/mL)	1.13 (pg/mL)	5.0%	5.5%	108%
TNF α	Sandwich	429 - 0.59 (pg/mL)	217 (pg/mL)	0.55 (pg/mL)	0.29 (pg/mL)	6.9%	5.2%	104%

* 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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