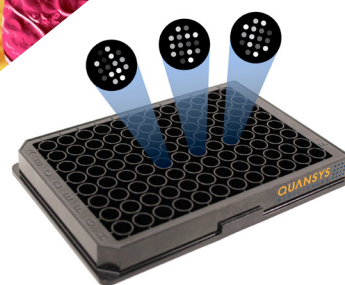


Q-PLEX™ MOUSE CYTOKINE SCREEN HS STRIPWELLS (15-PLEX)



The Q-Plex™ Mouse Cytokine Screen HS Stripwells (15-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of sixteen biomarkers or analytes.

QUANSYS 
BIOSCIENCES

Catalog # Product

112149MS-15P Q-Plex™ Mouse Cytokine Screen HS Stripwells (15-Plex)

GMCSF IL-3 IL-12p70 IFNγ IL-4 IL-17A IL-1α IL-5 MIP-1α IL-1β IL-6 RANTES IL-2 IL-10 TNFα

Background

The Q-Plex™ Mouse Cytokine Screen HS Stripwells (15-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of sixteen biomarkers or analytes: GMCSF, IFNγ, IL-1α, IL-1β, IL-2, IL-3, IL-4, IL-5, IL-6, IL-10, IL-12p70, IL-17A, MIP-1α, RANTES, and TNFα.

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 sixteen distinct capture antibodies in a defined array to the bottom of each well. 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%
IFNγ	Sandwich	516 - 0.71 (pg/mL)	595 (pg/mL)	1.52 (pg/mL)	0.365 (pg/mL)	3.3%	5.5%	110%
IL-1α	Sandwich	610 - 0.84 (pg/mL)	546 (pg/mL)	1.39 (pg/mL)	0.42 (pg/mL)	3.3%	7.4%	108%
IL-1β	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-5	Sandwich	546 - 0.75 (pg/mL)	609 (pg/mL)	1.55 (pg/mL)	0.37 (pg/mL)	6.6%	5.2%	103%
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-1α	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%
TNFα	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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