

# Q-PLEX™ NHP CYTOKINE SCREEN (16-PLEX)



The Q-Plex NHP Cytokine Screen (16-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of 16 biomarkers or analytes.

# Background

The Q-Plex NHP Cytokine Screen (16-Plex) is a fully quantitative ELISA-based chemiluminescent assay allowing the concurrent measurement of 16 biomarkers or analytes. Multiple analyte measurements are achieved by adsorbing 16 distinct capture antibodies in a defined array to the bottom of each well of a 96-well plate. Our high-quality reagents help ensure the accuracy and precision of your results. Using only 25 µL of sample per well, up to 80 samples can be assayed for all 16 markers in the panel within 4 hours. The Q-Plex NHP Cytokine Screen (16-Plex) provides researchers with an easy-to-use and cost-effective means of generating a cytokine profile for each sample.

<b>Species Specificity</b>	NHP
<b>Assay Type</b>	Sandwich
<b>Sample Type</b>	Serum, Plasma
<b>Assay Length</b>	4 hours
<b>Volume Required Per Well</b>	Min. 25 µL
<b>Detection Mention</b>	Chemiluminescent
<b>Multiplex Format</b>	96-well solid plate
<b>Catalog #</b>	110933MB

## 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)	3.57 (pg/mL)	1.37 (pg/mL)	7.5%	3.7%	94%
GMCSF	Sandwich	6,000 - 8.23 (pg/mL)	4,200 (pg/mL)	10.7 (pg/mL)	4.12 (pg/mL)	4.0%	6.0%	112%
IFN $\gamma$	Sandwich	1,000 - 1.37 (pg/mL)	700 (pg/mL)	1.78 (pg/mL)	0.69 (pg/mL)	6.6%	4.0%	118%
IL-1 $\beta$	Sandwich	4,075 - 5.59 (pg/mL)	2852.5 (pg/mL)	7.27 (pg/mL)	2.79 (pg/mL)	8.6%	3.0%	113%
IL-2	Sandwich	650 - 0.89 (pg/mL)	455 (pg/mL)	1.16 (pg/mL)	0.45 (pg/mL)	8.7%	8.8%	118%
IL-4	Sandwich	60 - 0.082 (pg/mL)	42 (pg/mL)	0.11 (pg/mL)	0.041 (pg/mL)	5.7%	4.4%	109%
IL-5	Sandwich	333 - 0.46 (pg/mL)	233.1 (pg/mL)	0.59 (pg/mL)	0.23 (pg/mL)	7.3%	4.2%	98%
IL-6	Sandwich	1,000 - 1.37 (pg/mL)	700 (pg/mL)	1.78 (pg/mL)	0.69 (pg/mL)	9.3%	5.9%	107%
IL-8	Sandwich	2,000 - 2.74 (pg/mL)	1,400 (pg/mL)	3.57 (pg/mL)	1.37 (pg/mL)	11.5%	5.1%	99%
IL-10	Sandwich	2,680 - 3.68 (pg/mL)	1,867 (pg/mL)	4.78 (pg/mL)	1.84 (pg/mL)	9.5%	4.0%	101%
IL-12p70	Sandwich	3,000 - 4.12 (pg/mL)	2,100 (pg/mL)	5.35 (pg/mL)	2.06 (pg/mL)	11.2%	5.0%	106%
IL-13	Sandwich	333 - 0.46 (pg/mL)	233.1 (pg/mL)	0.59 (pg/mL)	0.23 (pg/mL)	6.3%	4.9%	98%
IL-15	Sandwich	3,578 - 4.91 (pg/mL)	2,504.6 (pg/mL)	6.38 (pg/mL)	2.45 (pg/mL)	5.1%	3.9%	98%
IL-17A	Sandwich	5,589 - 7.67 (pg/mL)	3,912.3 (pg/mL)	9.97 (pg/mL)	3.83 (pg/mL)	7.9%	7.8%	115%
IL-18	Sandwich	215 - 0.29 (pg/mL)	151 (pg/mL)	0.38 (pg/mL)	0.15 (pg/mL)	13.0%	4.0%	94%
TNF $\alpha$	Sandwich	250 - 0.34 (pg/mL)	175 (pg/mL)	0.45 (pg/mL)	0.17 (pg/mL)	8.1%	3.6%	106%

\* 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](http://www.quansysbio.com)

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



Quansys is an ISO 9001:2015 and ISO 13485:2016 registered company and complies with GMP. Products are designed, developed, and manufactured according to the procedures outlined in our Quality Management System.

©2024 Quansys Biosciences Inc. All rights reserved. Q-View and Q-Plex are Trademarks of Quansys Biosciences Inc. ISO is a trademark of the International Standards Organization. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details.