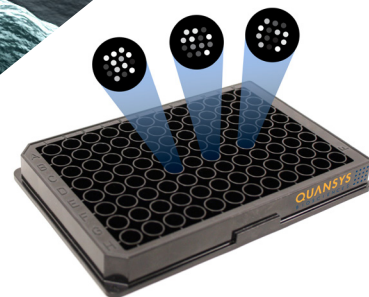
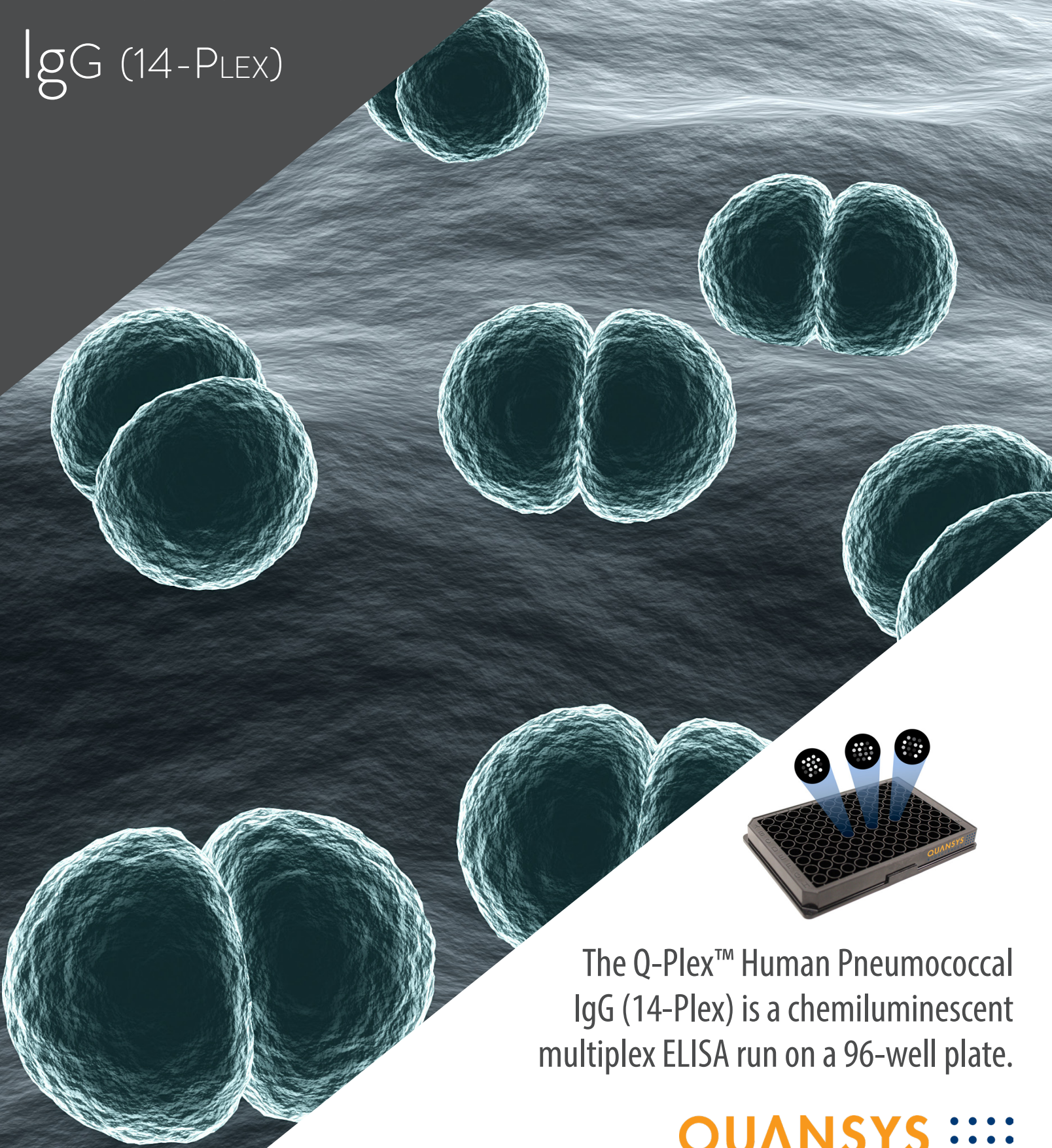


HUMAN PNEUMOCOCCAL IgG (14-PLEX)



The Q-Plex™ Human Pneumococcal IgG (14-Plex) is a chemiluminescent multiplex ELISA run on a 96-well plate.

Background

The bacterium *Streptococcus pneumoniae* can cause potentially deadly infections in children and the elderly, including pneumonia and meningitis. Risk of infection and disease severity varies with age of the patient and a host of other factors including geographical location, ethnic background, and time of year. More than 90 serotypes are known, though less than 25 are responsible for most cases, with virulence often differing between serotypes.

Performance and Validation Data

Serotype	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
1	Indirect	0.85 - 0.0117 (µg/mL)	0.259 (µg/mL)	0.000468 (µg/mL)	0.000583 (µg/mL)	6%	7%	97%
3	Indirect	0.0145 - 0.00020 (µg/mL)	0.294 (µg/mL)	0.000533 (µg/mL)	9.95E-05 (µg/mL)	12%	14%	99%
4	Indirect	0.33 - 0.00045 (µg/mL)	0.154 (µg/mL)	0.000273 (µg/mL)	0.000226 (µg/mL)	5%	6%	99%
5	Indirect	0.75 - 0.00103 (µg/mL)	0.371 (µg/mL)	0.000676 (µg/mL)	0.000514 (µg/mL)	8%	8%	102%
6B	Indirect	0.91 - 0.00125 (µg/mL)	0.133 (µg/mL)	0.000247 (µg/mL)	0.000624 (µg/mL)	8%	9%	103%
7F	Indirect	0.83 - 0.00114 (µg/mL)	0.392 (µg/mL)	0.00286 (µg/mL)	0.000569 (µg/mL)	6%	7%	100%
8	Indirect	1.42 - 0.00195 (µg/mL)	0.133 (µg/mL)	0.000962 (µg/mL)	0.000974 (µg/mL)	7%	8%	97%
9N	Indirect	0.87 - 0.00119 (µg/mL)	0.154 (µg/mL)	0.001105 (µg/mL)	0.000597 (µg/mL)	8%	10%	102%
9V	Indirect	0.64 - 0.00088 (µg/mL)	0.203 (µg/mL)	0.00143 (µg/mL)	0.000439 (µg/mL)	8%	8%	102%
12F	Indirect	0.22 - 0.00030 (µg/mL)	0.07 (µg/mL)	0.00052 (µg/mL)	0.000151 (µg/mL)	11%	9%	93%
14	Indirect	3.8 - 0.00521 (µg/mL)	0.119 (µg/mL)	0.000871 (µg/mL)	0.002606 (µg/mL)	7%	7%	98%
18C	Indirect	0.73 - 0.00100 (µg/mL)	0.217 (µg/mL)	0.00156 (µg/mL)	0.000501 (µg/mL)	5%	5%	100%
19F	Indirect	1.46 - 0.00200 (µg/mL)	0.924 (µg/mL)	0.00676 (µg/mL)	0.001001 (µg/mL)	9%	12%	100%
23F	Indirect	0.6 - 0.00082 (µg/mL)	0.084 (µg/mL)	0.000624 (µg/mL)	0.000412 (µg/mL)	10%	10%	99%

*Intra-assay and inter-assay precision are calculated with n=20 and n=10 replicates, respectively.



Quansys Biosciences

365 North 600 West
Logan, UT 84321
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.

©2022 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.