



MicroVue™ Complement MULTIPLEX



Imagine what you can do with 8 Complement System ELISAs built into 1 assay...

MicroVue Complement Multiplex Assay

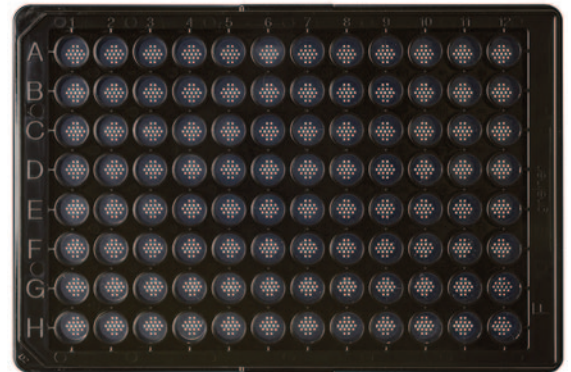
For **Research Use Only**. Not for use in diagnostic procedures.

9 Complement System analytes are available

Ba, Bb, C3a, C4a, C4d, C5a, SC5b-9, Factor H, Factor I

- Utilizes reagents from the MicroVue EIA products
- More results with less sample to save time and resources
- Create personalized multiplex assays of 3 to 8 analytes

See the back cover for ordering information



Standard 8-Plex

Test for general complement activation as well as specific pathways and regulation proteins with the 8-plex MicroVue Complement Multiplex assay

General Complement Activation

C3a, C5a, SC5b-9

Classical Pathway

C4a

Alternative Pathway

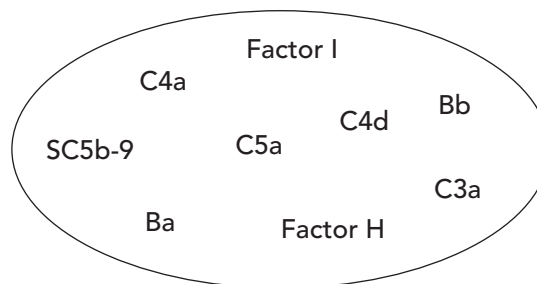
Ba, Bb

Regulatory Proteins

Factor H, Factor I

Customized Assays: On-Demand Flexibility

Combine 3 to 8 analytes into a customized kit, specific to your research needs. The desired kit will be manufactured within 2-3 weeks and then shipped to the customer.



Thousands of assay options available!

MicroVue Complement Multiplex Assay – How it Works

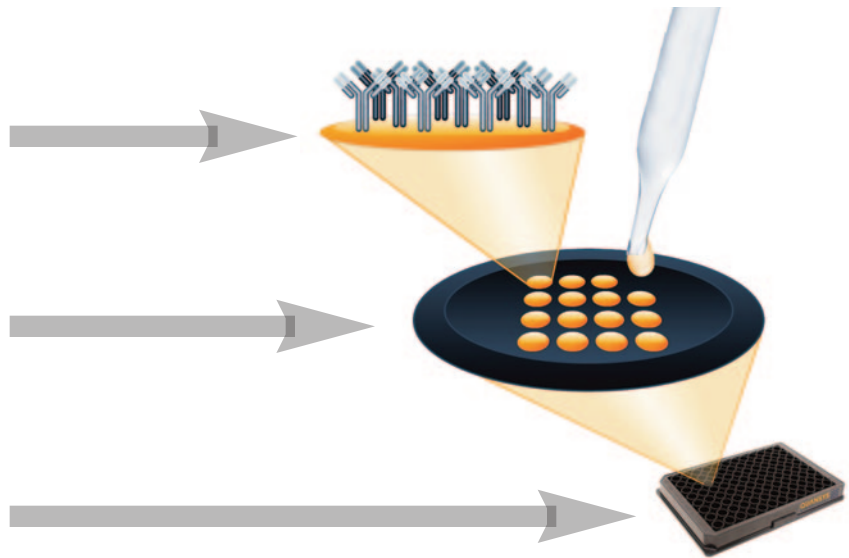
The MicroVue Complement Multiplex Assay utilizes a standard ELISA format, but with specialized technology that allows each well to test for up to 8 analytes.

Multiplex Format

Capture antibody is applied to 350-500 μm spots to bind target proteins.

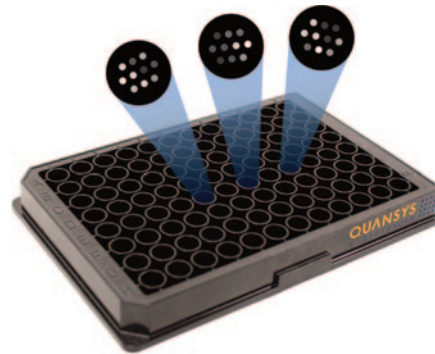
Robotic liquid handlers deposit 20-50 nL of print diluent.

Static 96 well plate specially created to prevent inter-well signal loss.



Analyte Detection

Signal from individual spots is generated via standard biotin and streptavidin-HRP complexing. Chemiluminescent signal detection and intensity is then used to determine presence and quantity of the specific analytes.



Analyte ELISA Formats

The analytes in the MicroVue Complement Multiplex Assay utilize both sandwich and competitive ELISA formats. For the competitive formats, biotin-streptavidin labeled antigen is used to compete against antigen from the sample.

Sandwich ELISA

Ba, Bb, C3a, C4a,
C4d, C5a, SC5b-9

Competitive ELISA

Factor H, Factor I

Performance and Validation data

The MicroVue Complement Multiplex was developed using reagents from Quidel's established complement EIA kits.

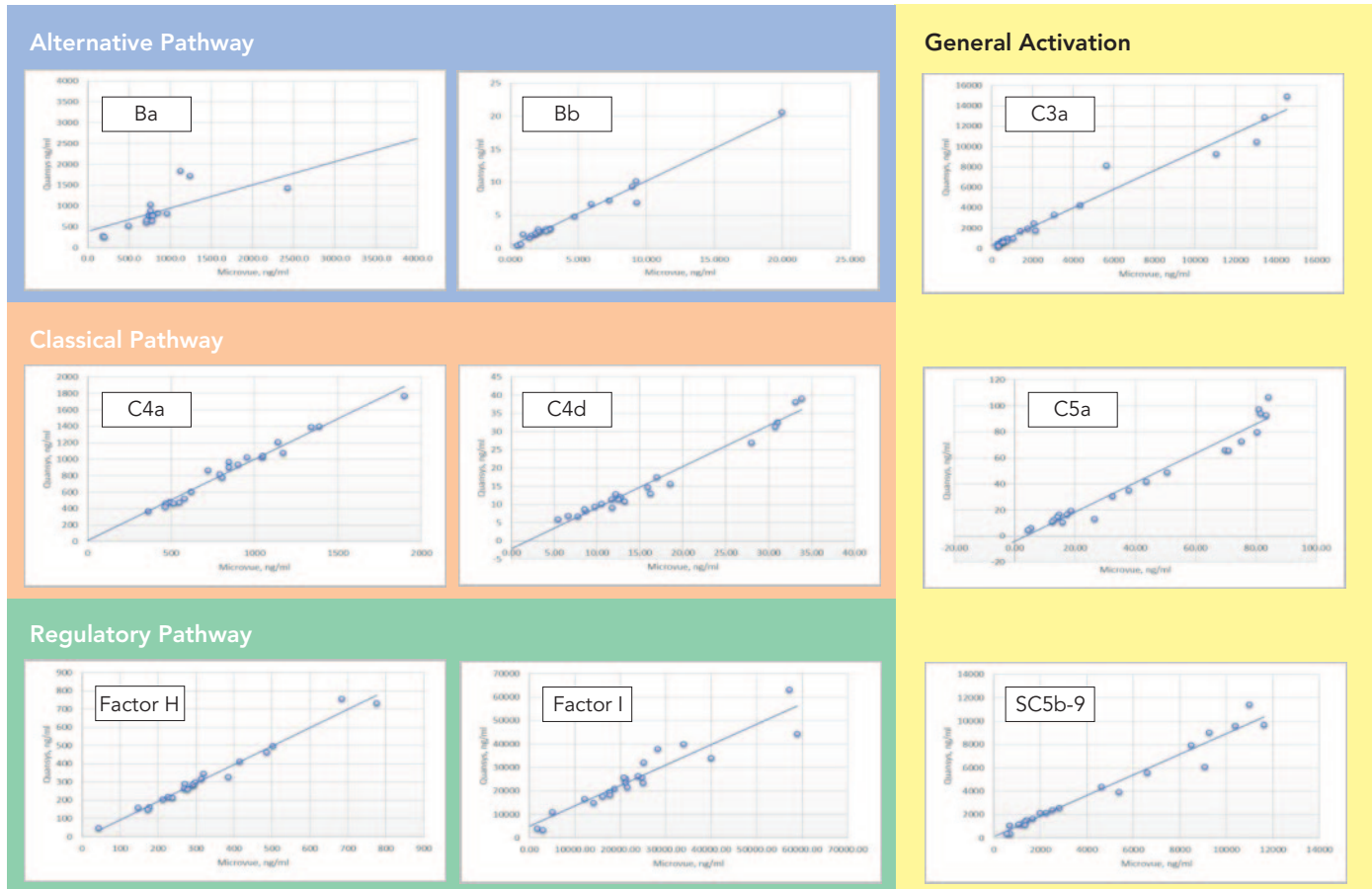
Correlation Data With MicroVue Complement Kits

The MicroVue Complement EIA kits are first-in-class products for complement research. Our approach in developing the MicroVue Complement Multiplex was that it could perform in a comparable manner to our existing EIA products.

The data in the table below shows the R² value between plasma samples run on established MicroVue complement EIA kits and on the MicroVue Complement Multiplex. High correlation between the products is shown and demonstrates experimental integrity for the multiplex (Table 1).

Table 1. Correlation Data Between MicroVue EIA kits and MicroVue Complement Multiplex.
Graphs for the individual analyte data are shown below.

Analyte	Ba	Bb	C3a	C4a	C4d	C5a	SC5b-9	Factor I	Factor H
R ²	0.928	0.977	0.966	0.969	0.971	0.962	0.962	0.978	0.884



Powered through the innovative technology by Quansys Biosciences

Quidel has partnered with Quansys Biosciences to bring the MicroVue Complement Multiplex Assay to the scientific community. The combination of Quidel's high quality reagents and the Quansys technology platform creates a first-in-class solution for complement research.



Q-View™ Imagers

- Adaptable and customizable platform
- Simple and robust protocols that minimize training and promotes a quick set up
- Reduce time spent running assays
- Accurately detect antigens at low concentrations
- Saves time and money while using less sample

Q-View™ Software

- Combine multiple detection methods to increase assay range, and sensitivity
- Decrease the need for multiple dilutions and measure high and low abundant protein

Q-Plex™ Arrays

Imagers

High Quality, Reproducible Chemiluminescent Imaging

Q-View Imagers offer a high quality, low cost chemiluminescent solution to 96-well plate based chemiluminescent imaging and western blot imaging

Q-View™ IMAGER^{LS}

Catalog #	104150GR
Resolution	16.9 x 16.9 microns
Sensor Type	CMOS
Optics	Selected to minimize vignetting effect
Image Applications	SBS plate format and maximum blots 3 x 4 ¾ in (7.6 x 12.1 cm)
Imaging Time	4.5 minutes
Control	Q-View Software
Connection to PC	USB 2.0
Power	120-240 Volt AC 50/60 Hz
Cooling (typical)	N/A
Footprint/Dimensions	8 x 10 x 22 in (20.32 x 25.4 x 55.88 cm)
Weight	21.3 lbs (9.7 kg)



Q-View™ IMAGER^{PRO}

Catalog #	107550GR
Resolution	5.4 x 5.4 microns
Sensor Type	CCD
Optics	EF 28mm f/2.8 IS USM lens
Image Applications	SBS plate format and chemiluminescent blots 3 x 4 ¾ in (7.6 x 12.1 cm)
Imaging Time	1-5 minutes
Control	Q-View Software
Connection to PC	USB 2.0
Power	120-240 Volt AC 50/60 Hz
Cooling (typical)	Max delta -40°C
Footprint/Dimensions	10.5 x 9.5 x 18 in (26.7 x 24.1 x 45.7 cm)
Weight	28.4 lbs (12.9 kg)



Software

Q-View™ SOFTWARE

Quickly Acquire and Analyze Data

The Q-View Software is a powerful tool for the high sensitivity imaging and quantitative analysis of Q-Plex Arrays and other assays, such as classic ELISAs and blots.

Functionality

- Drives the Q-View Imager
- Time-saving "Auto" features
- Advanced image acquisition algorithms to minimize the effects of noise, maximum sensitivity
- Multiple regression models including 4PL, 5PL, and point to point quantitative
- Multiple select weighing options to offset heteroscedasticity
- Outlier masking
- Pass/fail calculations to automatically detect and flag errors
- Customizable reports and charts

Advantages

- cGMP-compatible
- 21 CFR Part 11 compliant
- Full touch-screen support
- Concise embedded help and online video tutorials
- Publication-quality, customizable reports and graphs
- Rapid processing through multi-threading and task parallelization

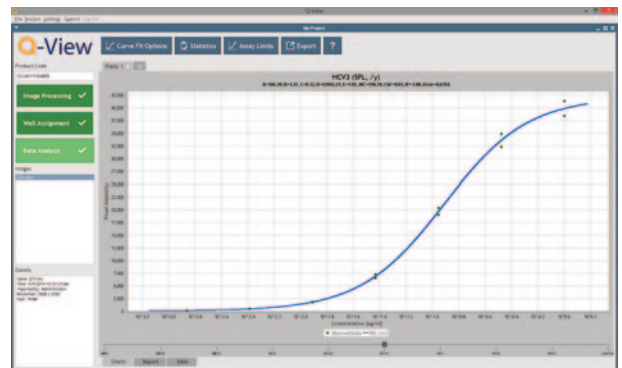
Intuitive Work Flow



- 1 Image Processing: Acquire or import images and easily locate spots using Auto-Set Plate Overlay and Auto-Adjust Spots Or use Blot Tools to determine the signal intensities from alternate assay types.



- 2 Well Assignment: Label wells quickly via Templates and Sequential Naming, and import/export layouts as.csv files.



- 3 Data Analysis: View raw data, Auto-Select the best curve fit or manually optimize regression model settings for your data, and customize charts and reports with Statistics, Assay Limits, and Auto-Selected Dilutions.

Service and Products

Support and Service Plans

	Premium	Plus	Basic
1 Year Plan	P/L	P/L	P/L
Technical Support	P/L	P/L	P/L
Software Support and Updates	P/L	P/L	P/L
Standard Installation with technical training	P/L	P	P
Defects in materials and workmanship	P/L	P/L	P/L
Additional on-site training and/or inspection and preventive maintenance	P/L		
Onsite Support (within 5 days) Covers all travel costs.		P/L	
Onsite Support (within 2 days) Covers all travel costs.	P/L		
Parts, labor, and travel for on-site repairs to instrument and computer	P/L		
Rapid Exchange For whatever reason, an imager will be shipped to the customer for continuity of testing. Warranty and service plans will be applied to address the causing issue.	P/L	P/L	
Accident Assistance Technical support on-site for support user related damage or failure. This covers travel and labor but not costs of materials.	P/L		
Moving Relocation, revalidation, and retraining services	P/L		
Maximum visits per year	2 Visits	1 Visit	

Table Legend

L = LS instrument only

P = Pro instrument only

P/L = Pro and LS instruments

Additional Support Options

IQ/OQ/PQ Installation

Technical Training

Imager Installation

Preventive Maintenance

Q-View Qualification Plate

5 Year Basic Warranty Extension – Imager LS

5 Year Basic Warranty Extension – Imager Pro

Repairs and Services

Q-Plex Arrays

- Quansys offers 20+ pre-made multiplex arrays.
- Panels are specific for Human, Mouse, Rat, and Porcine
- Targets include proteins for Angiogenesis, Chemokines, Cytokines, Female Hormone, Micronutrient, and Obesity
- Panels range from 4-Plex to 16-Plex
- Panel proteins include: Interleukins 1-23, Interferon, MCP-1, MMPs 1-13, RANTES, TIMPs 1-2, VEGF, and many more...



EIA Kits For MicroVue Complement Multiplex

These kits allow for multi-analyte detection and quantitation of important complement system proteins and protein fragments in plasma and serum samples.

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Catalog #	Qty	Description
A900	1 kit	MicroVue Complement Multiplex – Standard 8-plex
A903	1 kit	MicroVue Complement Multiplex – Custom 3-plex
A904	1 kit	MicroVue Complement Multiplex – Custom 4-plex
A905	1 kit	MicroVue Complement Multiplex – Custom 5-plex
A906	1 kit	MicroVue Complement Multiplex – Custom 6-plex
A907	1 kit	MicroVue Complement Multiplex – Custom 7-plex
A908	1 kit	MicroVue Complement Multiplex – Custom 8-plex

For pricing and ordering information, please contact a Quidel Representative at 800.874.1517 (in the U.S.) or 858.552.1100 (outside the U.S.), Monday through Friday, from 8:00 a.m. to 5:00 p.m., Eastern Time.

For information on specific products and their applications, please contact Quidel Technical Support at 800.874.1517 (in the U.S.) or 858.552.1100 (outside the U.S.), or at technicalsupport@quidel.com, Monday through Friday, from 8:00 a.m. to 5:00 p.m., Eastern Time.

