

Try Q-Plex™ for Yourself

The Human Demo 4 Chemi provides an introductory experience with Q-Plex™ Array Technology. Like our larger plex kits, the demos are quantitative ELISA-based assay allowing the concurrent measurement of four commonly tested analytes.

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

Available Demo Kits

Product	Catalog #	Analyte	Units	Range	LLD
Human High Sensitivity Demo	112549HU	IL-4	pg/ml	23 – 0.03	0.02
		IL-6	pg/ml	350 – 0.48	0.4
		IL-10	pg/ml	950 – 1.3	1.1
		IFN-γ	pg/ml	80 – 0.11	0.1

Product	Catalog #	Analyte	Units	Range	LLD
Human Cytokine Chemi Demo	112049HU	IL-1α	pg/ml	4000 - 5.49	5.43
		IL-4	pg/ml	2000 - 2.74	2.14
		IL-6	pg/ml	3000 - 4.11	3.47
		TNFα	pg/ml	4000 - 5.49	5.20

Product	Catalog #	Analyte	Units	Range	LLD
Mouse Cytokine Chemi Demo	112049MS	IL-2	pg/ml	2800 – 3.84	0.38
		IL-4	pg/ml	2700 – 3.70	2.20
		IL-6	pg/ml	3600 – 4.94	0.05
		TNFα	pg/ml	5000 – 6.86	2.45

The Q-Plex™ Array

Spotting in 96 Well Plate

- ▶ Robotic liquid handlers print 20-50nL spots of capture antibody
- ▶ Each spot is a unique assay within the well
- ▶ Low spot-to-spot variability (CV)
- ▶ Spot size 350-500µm
- ▶ Plates are QC'd for spot quality

Performing the Assay

- ▶ Add as little as 50µL of sample
- ▶ Wash
- ▶ Add mix of detection antibodies specific to kit
- ▶ Wash
- ▶ Add streptavidin conjugated HRP or IR-Dye

Detection of Sample

- ▶ With the addition of substrate, a response is produced
- ▶ If antigen is present the spot emits a signal proportional to the amount of antigen in the sample
- ▶ If no antigen is present, the spot is not visible

Image Capture

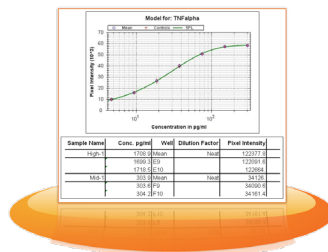
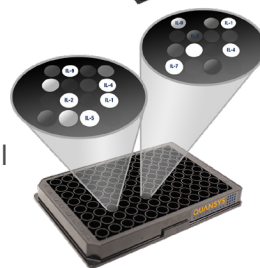
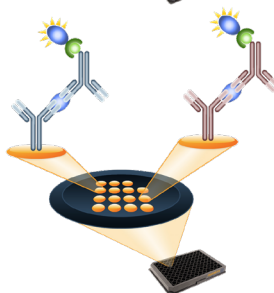
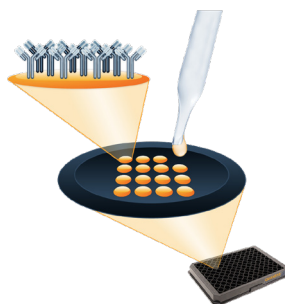
- ▶ An image of the plate is taken via a high resolution camera (Q-View Imager Pro, Q-View Imager LS or approved gel doc system) or fluorescent scanner (LI-COR Odyssey)
- ▶ The image file (TIFF) is imported into Q-View Software and a Q-View Project is created

Image Analysis

- ▶ Image is opened in Q-View Software
- ▶ Spots are automatically found on plate image
- ▶ Intensity of spot response is measured and raw data is generated
- ▶ User imports product specs and well layout

Data Analysis

- ▶ Raw data is analyzed and compared to in-plate standard
- ▶ Regression models used to calculate unknowns
- ▶ Standard curves are calculated and sample and statistical data is exported



Increase productivity with Quansys products and services. Save Time, Sample and Money.

Q-Plex™ ARRAYS

Our Q-Plex Arrays are quantitative multiplex ELISAs with distinct proteins deposited in a defined array. Choose one of our standard kits for immediate delivery or customize the exact array you need.

Q-View™ IMAGERS

The Q-View Imager Pro and Q-View Imager LS are high quality, low-cost imaging systems for chemiluminescent assay imaging.

Q-View™ SOFTWARE

The Q-View Software is a user-friendly image analysis app that enables the acquisition and analysis of large amounts of multiplex ELISA data.

SAMPLE TESTING SERVICE

Our lab runs immunoassays on a wide variety of biological samples. Increase productivity and focus on your core research while we test your samples for you.



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Quansys is an ISO 9001:2008 and ISO 13485:2003 registered company and complies with cGMP. Products are designed, developed, and manufactured according to the procedures outlined in our Quality Management System.

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