

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	Range (pg/ml)	LLD (pg/ml)	Standard* (pg/ml)
Human High Sensitivity Demo	112551HU	IL-4	18 – 0.03	0.01	18
		IL-6	300 – 0.48	0.13	360
		IL-10	750 – 1.03	0.14	750
		IFN-γ	62 – 0.09	0.04	62

Product	Catalog #	Analyte	Range (pg/ml)	LLD (pg/ml)	Standard* (pg/ml)
Human Cytokine Chemi Demo	112051HU	IL-1α	3600 - 4.9	0.27	3600
		IL-4	1800 - 2.5	0.24	1800
		IL-6	2700 - 3.7	0.55	2700
		TNFα	4400 - 6.0	1.36	4400

Product	Catalog #	Analyte	Range (pg/ml)	LLD (pg/ml)	Standard* (pg/ml)
Human Cytokine IR Demo	132051HU	IL-1α	7600 – 10.4	4.59	7600
		IL-4	415 – 0.6	0.22	415
		IL-6	3700 – 5.1	1.89	3700
		TNFα	4500 – 6.2	3.27	4500

Product	Catalog #	Analyte	Range (pg/ml)	LLD (pg/ml)	Standard* (pg/ml)
Mouse Cytokine Chemi Demo	112051MS	IL-2	2800 – 3.84	0.38	5500
		IL-4	2700 – 3.70	2.20	5000
		IL-6	3600 – 4.94	0.05	5600
		TNFα	5000 – 6.86	2.45	9000

Product	Catalog #	Analyte	Range (pg/ml)	LLD (pg/ml)	Standard* (pg/ml)
Mouse Cytokine IR Demo	132051MS	IL-2	4400 – 6.0	2.59	4400
		IL-4	4600 – 6.3	0.79	4600
		IL-6	4300 – 5.9	0.11	4300
		TNFα	5500 – 7.5	0.05	5500

* Actual values may vary from kit to kit. Please see the antigen card included in your kit for specific values.

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

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 50 µL 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

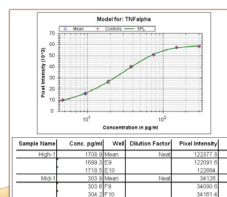
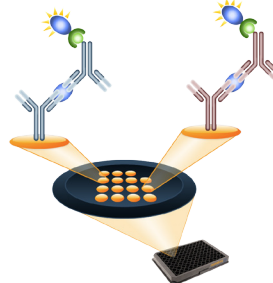
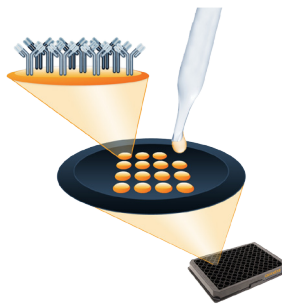
- ▶ An image of the plate is taken via a high resolution camera (Q-View Imager or approved gel doc system) or fluorescent scanner (LI-COR Odyssey)
- ▶ The image file (TIFF) is imported into Q-View Software and a Q-View Project is created

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



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 deliver or customize the exact array you need.

Q-View™ IMAGER

The Q-View Imager is a high quality, low-cost imaging system for chemiluminescent assay imaging.

Q-View™ SOFTWARE

Q-View Software is a user friendly image analysis package 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 sample types from bio research. Increase productivity and focus on your core research while we test your samples for you.

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BIOSCIENCES



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