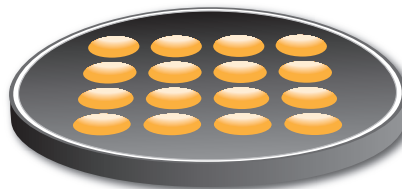


Build Your Own Array

Quansys Content

With over a hundred different unique and validated assays, we specialize in building the array that meets your specifications. We can build the array you want, so you don't pay for assays you don't need.

If your requested array contains assays already validated in-house, we can ship your kits to you within 3-5 business days.



Tailor-made Arrays



Perhaps the array you wish to manufacture utilizes novel or proprietary content. If so, our low-cost, rapid development and manufacturing services allow the implementation of your content in a Q-Plex™ Array or in-house service.

The custom array development process occurs in three phases, each priced according to your array. We wait for your approval in the current phase before we advance to the next phase. By the third phase, Quansys is able to manufacture your array on a small or large scale.

Phase I – Feasibility

- Antibody and Antigen aquisition
- Intra-Assay Precision
- Standard curve generation
- Determine cross reactivity
- Determine Senticity




Phase II –Development/Validation

- Assay Optimization
- Pre/Post Lyophilization Testing
- Precision: Intra-, Inter- and Lot-to-Lot
- Linearity
- Production Development
- Assay Range optimization
- Sensitivity
- Recovery
- Edge Effect and Drift
- Beta Kit production

Phase III – Pilot Production

- Production Protocol Implementation
- Performance and QC Specifications
- Estimate Production Costs
- Produce 1st lot for customer use
- Update Q-View Software
- Create Manuals and COAs
- Label Design and Development
- Develop Shipping Criteria

Advantages of Q-Plex™ Array Technology

- **Save Time**  Simultaneously run up to 16 different assays in the same amount of time as a traditional ELISA.
- **Save Sample**  Use 5µl to 50µl of sample to generate greater amounts of data compared to traditional ELISA testing.
- **Save Money**  No need to purchase multiple ELISA kits to generate the same amount of data.
- Up to 16 markers from less than 50µl of sample in 2.5 hours.
- High sensitivity and low background
- Compatible with multiple sample types.
- Low cost compared to competing multiplex technologies.
- Validated to ensure no cross reactivity among markers within an array.
- Manufactured in an ISO 9001 registered facility.

Scan here to build your array



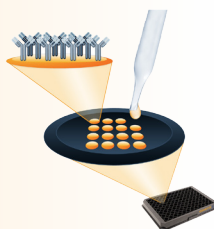
Get the free mobile app: <http://gettag.mobi>



The Q-Plex™ Array

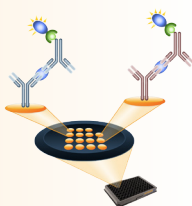
SPOTTING IN 96 WELL PLATE

- Robotic liquid handlers print 20-50nl spots of capture antibody
- Each spot is a unique assay within the well
- Spot to spot variability <4% CV
- Spot size 350-500 µm
- Plates are QC'd for spot quality



PERFORMING THE ASSAY

- Add as little as 30ul of sample
- Wash
- Add mix of detection antibodies specific to that kit
- Wash
- Add streptavidin bound to a IR-Dye or HRP



DETECTION OF SAMPLE

- Each spot is a different assay (IL-1, IL-2, etc.)
- With the addition of substrate, a response is produced
- If antigen is present the spot emits light
- If no antigen, the spot is not visible

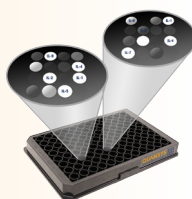


IMAGE CAPTURE

- An image is taken of the plate 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



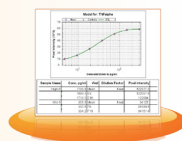
IMAGE ANALYSIS

- 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



Analyte Content List

Human

Adipon	AFP	ANG-2	CA 125
CA 15-3	CA 19-9	CD40	CEA
Complex I	Complex II	C-Peptide	CRP
E1G	Eotaxin	EPO	Ferritin
FGFbasic	Frataxin	FSH	Free Cortisol
GCSF	GMCSF	GROα	HCGβ
HGF	HGH	HIV	hsCRP
I-309	IFNβ	IFNλ	IFNΩ
IFNα	IFNγ	IGF-2	IL-10
IL-12p70	IL-13	IL-15	IL-17
IL-21	IL-1α	IL-1β	IL-2
IL-23	IL-3	IL-4	IL-5
IL-6	IL-8	IL-RA	IP-10
Leptin	LH	Malaria	MCAD
MCP-1	MCP-2	MIG	MIP-1α
MIP-1β	MIP-3α	MMP-1	MMP-3
MMP-9	PAI-1	PDF	PDG
PDGF-B	PDH	PF4	PIGF
Prolactin	PSA	Rantes	RBP
Resistin	SCHAD	sTFR	Syphillis
TARC	TFP	TGFβ	TIMP-1
TIMP-2	TNFR I	TNFR II	TNFα
TNFβ	TPO	TSH	VEGF
VEGF-C	VEGF-D		

Mouse

CD44	Eotaxin	GMCSF	IFNγ
IL-10	IL-12p70	IL-17	IL-1α
IL-1β	IL-2	IL-3	IL-4
IL-5	IL-6	IL-9	IP-10
KC	MCP-1	MDC	MIF
MIP-1α	MIP-1β	MIP-2	PF4
RANTES	SDF-1	TARC	TCA-3
TNFα	VEGF		

For more information, please contact us:

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