InDevR

Enabling Vaccines & Biotherapeutics

VaxArray® Platform

Bringing vaccine analytics into the 21st century

VaxArray Solutions

Coronavirus

- Use the Spike Protein Assay to rapidly quantify and characterize spike protein based on conformational binding to both mAb CR3022 and ACE2.
- Or use SeroAssay to simultaneously measure antibody response to SARS-CoV2 antigens and all endemic human coronaviruses.

Influenza

- Simplify and accelerate antigen characterization with mono and multivalent kits specifically designed for seasonal and pandemic flu vaccine characterization.
- Subtype specific hemagglutinin, neuraminidase, or nucleoprotein quantification at any manufacturing process step.

Measles and Rubella

- Single day quantitation as compared to TCID50 or cell culture based assays.
- No need to neutralize rubella virus to measure measles in bivalent samples. Virus-specific monoclonal antibodies are reactive to most common vaccine strains.

Pneumococcal

- Simultaneous quantification of 24 high priority serotypes in both pneumococcal conjugate and pneumococcal polysaccharide vaccines.
- Consistently and accurately identify, quantify, and assess stability with high specificity and sensitivity.

Poliovirus

- Obtain equivalent results to D-antigen ELISA test for cIPV and sIPV. Or achieve rapid bioprocess feedback on your OPV and nOPV samples.
- Antigen quantification for all three-poliovirus serotypes enables analysis of mono-, bi-, or trivalent samples using the same kit.

VaxArray Benefits

Accelerated Time to Result

Get your results in as little as 1 hour as compared to SRID, TCID50, or ELISA tests.

CFR Part 11 Compliance

Both software and the instrument come with tools that enable CFR Part 11 compliance, allowing for

Broad Sample Compatibility

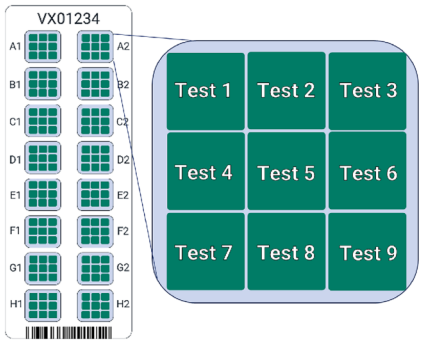
Crude, adjuvanted, low concentration or other samples are compatible with the VaxArray Platform, making it easy to integrate the solution to various and multiple steps throughout the process.

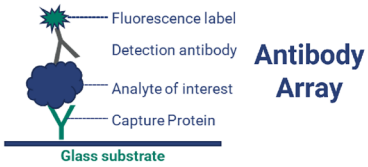
Standardized Testing

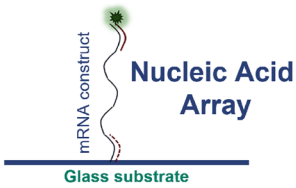
VaxArray system and kits are built under ISO:13485 and cGMP guidelines allowing for standardization across facilities and laboratories.

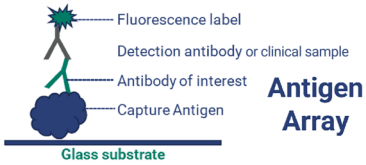
VaxArray Technology

VaxArray Microarray Slide









How It Works

An immuno or oligo assay built on a microarray platform. Capture agents are screened and selected based on specific performance criteria. Fluorescent detection labels allow for low limits of quantification.

VaxArray Applications

Capture → Label → Rinse → Scan → **Analyze**

~1 Hour — 30 min Hands On

Discover

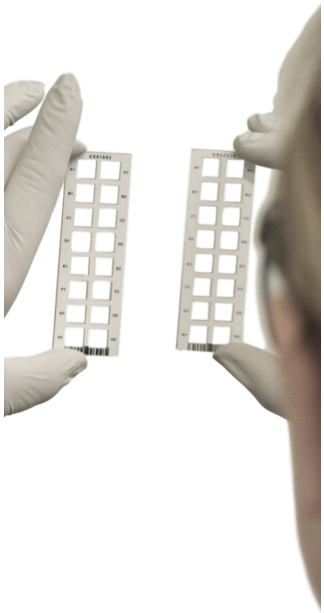
Vaccine Development

Qualify and identify conformationally intact and subtype specific antigens during monobulk strain development.

Optimize

Bioprocess Optimization

Quickly track antigen levels in crude and adjuvanted matrices to improve yield and optimize formulation.



Produce

Manufacturing QC

Reduce cost by measuring potency and stability of multivalent vaccine antigens simultaneously in final

Verify

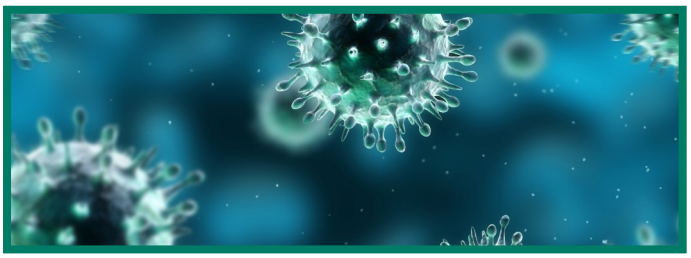
Preclinical - Clinical

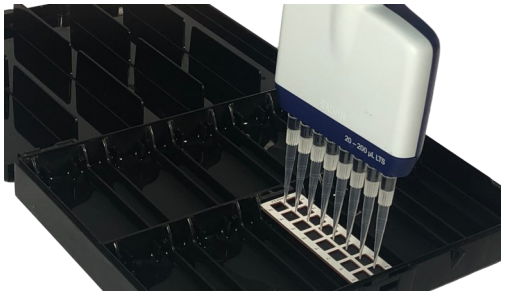
Quantify multiple antibodies in serum samples via sensitive, rapid, multiplexed serological assays.

VaxArray Options

Available VaxArray Kits:

Seasonal HA Multivalent Assay Kit
Pandemic HA Multivalent Assay Kit
Seasonal NA Multivalent Assay Kit
NP Multivalent Assay Kit
Seasonal Influenza Monovalent Assay Kits
Coronavirus Spike Protein Assay Kit
Coronavirus SeroAssay Kit
Measles and Rubella Kit
Pneumococcal Assay Kit





Testing Services

Our analytical experts are ready to provide quantitative analysis of your vaccine samples. We offer rapid turnaround times of multiplex analysis to expedite your research and development.

Customize VaxArray Kits

Bring the power and flexibility of the VaxArray Platform to your specific applications. We can develop custom protein or oligo arrays to meet your needs.

Capture Screening	Performance Assessment	Manufacturing Verification	**Custom VaxArray**

Rapid Development Timelines

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Learn more about the VaxArray Platform

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InDevR is a life science tools company developing analytical technologies for vaccine research. Enabling safe, rapid, and effective production of vaccines is our mission.