



InDevR

Enabling Vaccines

VaxArray® Coronavirus Assays

Bringing vaccine analytics
Into the 21st century

Coronavirus Spike Protein Assay



Vaccine Potency

InDevR's proven multiplexed technology can be used to directly measure vaccine potency. Evaluate development and manufacturing processes and establish a robust release test. Next generation analytics for your next generation vaccine platform.

Biologically Relevant

Evaluate coronavirus vaccines for conformational antibody binding and binding to the human ACE2 receptor protein simultaneously. Measure only conformationally intact vaccine

Formulation Assessment

Quantitatively assess vaccine antigen concentrations at any step in the development pathway, drug product, drug substance, or even harvest samples prior to purification.

Simple Workflow

Easily incorporate VaxArray into your analytical lab. Only a few minutes of hands on time yields actionable potency data.

Platform Compatible

Next generation vaccine platforms shouldn't be held back by outdated analytical technologies. VaxArray is compatible with recombinant, peptide, VLP and other advanced vaccine technologies.

Coronavirus SeroAssay

Multiplexed Serology

By printing an array of antigen targets, the VaxArray Coronavirus SeroAssay can analyze antibody response against multiple coronaviruses. Conduct vaccine efficacy testing against endemic and pandemic coronavirus spike proteins in only 2 hours from less than 10 µL of sample.



Standardized

Ready to order assay kits built under ISO:13485 allow standardization across laboratories.

Quantitative Results

Don't rely on yes/no results for vaccine development. Quantitative data enables detailed comparisons of your vaccine candidates.

Multi-antigen Confirmation

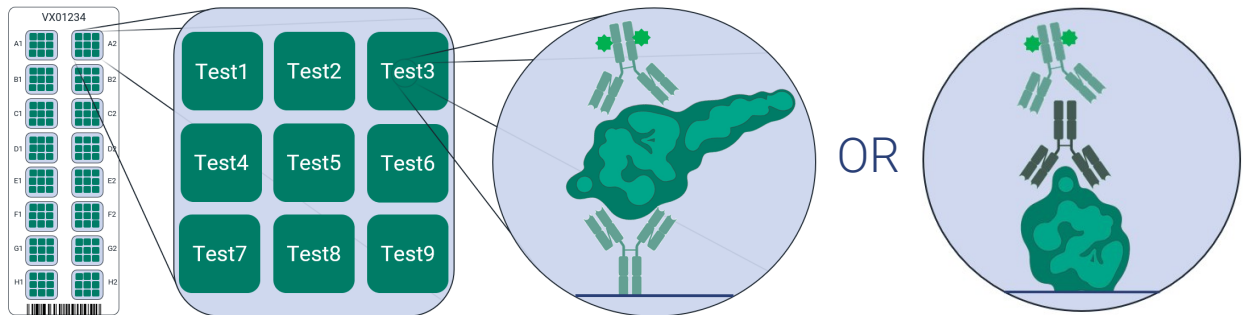
By probing the SARS-CoV-2 response using multiple antigens simultaneously, the VaxArray Coronavirus SeroAssay provides higher confidence in serological response.

Endemic Coronaviruses

Test reactivity to circulating endemic coronavirus strains at the same time as testing serological response to the novel SARS-CoV-2 strain. Understand patient immunity profiles prior to clinical testing.

Coronavirus Assays

The VaxArray Microarray Slide



How It Works

VaxArray is a multiplexed immunoassay adapted to a microarray platform. Capture reagents include either antibodies or coronavirus antigens. Fluorescence detection enables low limits of quantification.

Workflow



VaxArray Coronavirus SeroAssay Captures

Subtype	Protein Domain
SARS-CoV-2	Spike (S), RBD, AND S2
SARS-CoV-1	S1
MERS	S1
HKU1	S1
OC43	Full Spike (S) Protein
229E	S1
NL63	S1

VaxArray Coronavirus S Protein Assay Captures

Capture	Type
CR3022	Antibody
ACE2	Receptor



Coronavirus Assays

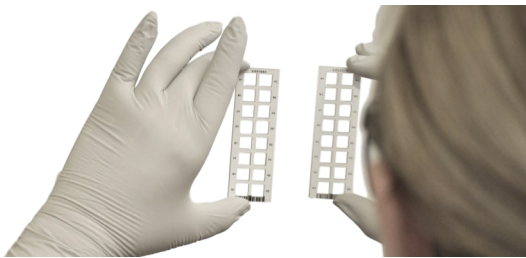
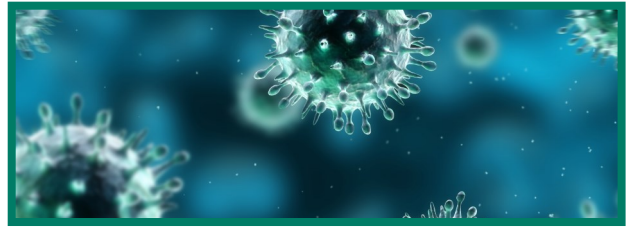
Designed for the VaxArray Platform

- 2 hours from samples to result
- 30 minutes hands on time
- Up to 64 samples per run
- Multiplexed analysis
- Up to 576 datapoints generated

VaxArray Contract Services

Proven

VaxArray has been used to characterize influenza vaccines for years. InDevR's platform technology has been rapidly deployed to address coronavirus applications.

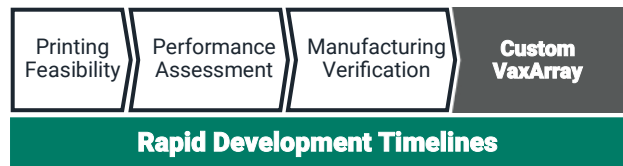


Testing Services

Our analytical experts are ready to provide quantitative analysis of your vaccine samples. Rapid turnaround times and multiplex analysis speed research and development. Or set up the VaxArray Platform in your lab and gain access to a portfolio of VaxArray compatible assays.

Customize VaxArray

Bring the power and flexibility of the VaxArray Platform to your specific application. VaxArray can be customized to your needs.



Learn more about the VaxArray Platform

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

