

# **Expert Services**

## Accelerate Vaccine Development with Customized Solutions

### **A Trusted Partner for Bioanalytical Services**

InDevR's Expert Services is a trusted partner of leading biopharmaceutical organizations worldwide, providing custom, cost-effective solutions to novel challenges faced in vaccine development and manufacturing.

Whether you are struggling with an early-stage development bottleneck or looking for a tailored solution to help accelerate the scale of your project, our Expert Services team understands the challenges you face and is here to help.

### **Validated Methods and Tailored Services**

With over two decades of experience in custom vaccine assay development our Expert Services team has nearly seen it all. Our experience helped us establish a suite of sophisticated assay development tools and curated reagents to address the unique challenges and common bottlenecks in vaccine development.



#### **mRNA**

Identify and quantify both naked and LNP-encapsulated mRNA constructs in multivalent formulations.



### **Protein Antigens**

Detect and quantify mixtures of multiple proteins, including vaccine antigens or proteins expressed after mRNA transfection.



#### **Polysaccharides**

Detect and quantify highly multivalent mixtures of pneumococcal polysaccharides and conjugate antigens.



#### **Antibodies in Serum**

Multiplexed quantification of antibody levels in serum.

### **Our Development Process**



**Feasibility** 



**Prototype Kits** 



**Performance Optimization** 



Manufacturer Transfer

~1 month

Quick assessment of project feasibility to establish proof of concept for actionable information.

~1 week

Ability for current VaxArray® users to evaluate custom kit in-house.

~2 months

Microarray & assay optimization followed by assessment of assay performance with customer-designated samples.

~1 month

QC test verification and manufacturing documentation.

### **Assay Expertise**

#### Seasonal Influenza Vaccine and Biosurveillance

- Hemagglutinin-coding mRNA construct identification and quantification
- Neuraminidase protein identification and quantification
- Protein identification and quantification following mRNA transfection

#### SARS-CoV-2 and Other Coronavirus Vaccine and Biosurveillance

- Bivalent mRNA quantification
- · Spike protein quantification
- · Reactivity of serum antibodies

### **Pneumococcal Conjugate Vaccine and Biosurveillance**

- · Polysaccharide antigen quantification
- Quantification of serum antibodies in support of preclinical studies

### **Read About Our Solutions**

Use the QR Code below to view InDevR's scientific publications.



### **Let Us Help You Help Everyone**

Discover how Expert Services can transform your vaccine production process. For detailed information and to schedule a free consultation; visit indevr.com/expertservices or reach out directly at askanexpert@indevr.com



Explore Our Solutions at InDevR.com | Contact Us at sales@indevr.com

