

Our mission is to deliver bioanalytical excellence

Vaccine Development Capabilities

Agilex Biolabs is equipped with the state of the art bioanalytical platforms to support your vaccine development programs which include:

Flow Cytometry

- T Cell, B Cell & NK Panels
- T and B Cell Activation Markers
- Specific Cell Population Isolations
- Vaccine-Induced T Cell Enumeration

Meso Scale Discovery (MSD)

- Cytokine/Chemokine Panels

Real-Time PCR (qPCR) & Digital Droplet PCR (ddPCR)

- Gene Expression
- Immune Response Monitoring

ELISA

- Antibody Titers
- IgM + IgG Subtyping
- Seroconversion

ELISPOT / Flow Cytometry

- Enumeration of Antigen-Specific Cellular Response
- Immune Response Monitoring

Cell-Based Assays

- Neutralizing Antibodies (NAb)
- Hemagglutination Inhibition Assays

Our Services

Our experienced team can develop and validate a wide array of assays to the latest FDA/EMA bioanalytical guidance, utilising the very latest technology and equipment. Examples include:

- Pharmacokinetics (PK) / Pharmacodynamics (PD)
- Immunogenicity / Antidrug Antibodies (ADA) / Neutralizing Antibody Assays (NAb)
- Biomarkers
- Cell-Based Assays (CBA) / Flow Cytometry

Bioanalytical Platforms

Agilex Biolabs is the leading Australian bioanalytical and toxicology laboratory with the most advanced platforms for sensitive technologies.

- ELISA
- MSD-ECL
- qPCR
- ddPCR
- HPLC
- Gyrolab
- Luminex
- Flow Cytometry
- ELISPOT
- SCIEX 6500+ LC-MS/MS

Vaccine Characterisation

(i.e. Live virus vaccine, RNA vaccine, Sub-unit vaccine)

Our experienced team can develop and qualify following the ICH Q2-R1 guidelines a wide array of assay addressing attributes such as:

- Potency
- Content
- Impurities
- Identity
- Stability

