

# Bioanalysis For Oncolytic Virus Therapies

BioAgilytix is experienced in developing bioanalytical strategies to investigate the mechanisms of oncolytic virus immunotherapies, from their anti-tumor properties to immune interaction effects.

Our team possesses leading expertise in the contemporary methods, regulations, and platforms involved in the bioanalysis of this complex but promising modality for cancer treatment. We have also supported evaluations of oncolytic viruses in combination with other existing therapeutic modalities.

We are equipped with a premier suite of bioanalytical platforms to ensure delivery of precise, robust, and reliable results for a wide range of assessments including:

## Immunogenicity

- ✓ Cell-based Assays (anti-infectivity)
- ✓ Ligand Binding Assays (anti-vector antibodies and anti-transgene antibodies)

## Pharmacodynamic (PD) Markers

- ✓ Ligand Binding Assays (including multiplex)
- ✓ Quantitative PCR (qPCR)
- ✓ Droplet Digital PCR (ddPCR)
- ✓ Flow Cytometry
- ✓ Western Blot
- ✓ ELISpot

## Good Manufacturing Practices (GMP)

- ✓ Flow Cytometry
- ✓ qPCR
- ✓ ddPCR
- ✓ ELISA
- ✓ LI-COR Odyssey
- ✓ Western Blot
- ✓ Cell-based Assays (potency)

## Viral Shedding (Safety)

- ✓ qPCR
- ✓ ddPCR
- ✓ Cell-based Infectivity Assays

## Pharmacokinetics (PK)

- ✓ qPCR
- ✓ ddPCR
- ✓ Ligand Binding Assays

## Biodistribution

- ✓ qPCR
- ✓ ddPCR
- ✓ Ligand Binding Assays

## Setting the Global Standard for Scientific Excellence in Bioanalysis

Quality science, quality data, and a quality partnership — it's how we ensure your small and large molecule bioanalytical needs are met with accuracy, high performance, and timely results.

### Overall Support for All International Bioanalytical Services

With advanced laboratories in Durham, Boston, San Diego, Hamburg, Germany, and Melbourne and Brisbane, Australia, BioAgilytix can support all global studies through every phase of development, from discovery through Phase IV trials and post-market surveillance.

### A Leader and Partner in Drug Development

BioAgilytix is comprised of true experts in bioanalysis, with a veteran team averaging over 10 years of bench experience and comprised of approximately 50% Ph.D. and Master's-level scientists.

### Totally Committed to On-Time Delivery of Quality Results

We deliver our bioanalytical services by pairing our unique scientific capabilities, extensive QA expertise, and collaborative project management processes to ensure reliable, timely, high-quality results.

## Discuss Your Program with Our Scientists Today

Let's talk scientist-to-scientist about the bioanalytical needs of your small and large molecule projects.



### Services

- ✓ Pharmacokinetics (PK) / Pharmacodynamics (PD)
- ✓ Immunogenicity / Anti-Drug Antibodies (ADA) / Neutralizing Antibody Assays (NAb)
- ✓ Biomarkers
- ✓ Cell-Based Assays (CBA) / Potency Assays



### Platforms

- ✓ ELISA
- ✓ MSD-ECL
- ✓ LC/MS
- ✓ qPCR/ddPCR
- ✓ HPLC
- ✓ Gyrolab
- ✓ Luminex
- ✓ Biacore
- ✓ ImmunoCAP
- ✓ LI-COR
- ✓ Flow Cytometry
- ✓ ELISpot
- ✓ ProteinSimple
- ✓ Ella



### Quality

- ✓ GLP
- ✓ GMP
- ✓ GCP
- ✓ CLIA

**BioAgilytix** 

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