eurofins | Viracor BioPharma



Advancing complex therapeutics with bioanalytical and biomarker expertise



eurofins | Viracor BioPharma

Your trusted partner from preclinical research to post-market surveillance

Modern drug development requires more than testing—it requires **scientific expertise**, **strategic consultation**, and **a partner who understands the complexities of today's biologics**, **vaccines**, and **advanced therapies**.

Eurofins Viracor BioPharma delivers **specialized bioanalytical and biomarker solutions** that help sponsors evaluate safety, efficacy, immunogenicity, pharmacokinetics, pharmacodynamics, and therapeutic performance throughout the development lifecycle. From **preclinical research and clinical development to post-market surveillance**, we generate the high-quality data needed to support confident decisions and accelerate program advancement.

Our expertise spans biologics, vaccines, cell and gene therapies, immunology, oncology, infectious disease, and biomarker-driven development. **We partner with pharmaceutical and biotechnology companies** to develop, validate, and execute fit-for-purpose assays tailored to unique study objectives and regulatory expectations.

Areas of expertise

Specializedtesting solutions across the development cycle

eurofins | Viracor BioPharma

BIOANALYTICAL TESTING

Robust bioanalytical solutions designed to support pharmacokinetic (PK), pharmacodynamic (PD), and therapeutic performance assessments for biologics and advanced therapies.

Capabilities include:

- Ligand binding assays
- Pharmacokinetic testing
- Pharmacodynamic testing
- Quantitative biomarker analysis
- Regulated bioanalysis
- Method development and validation

IMMUNOGENICITY TESTING

Comprehensive immunogenicity solutions designed to assess immune responses and support regulatory requirements for biologics and advanced therapies.

Capabilities include:

- Anti-drug antibody (ADA) testing
- Neutralizing antibody (NAb) testing
- Total antibody assessments
- Immune response characterization
- Risk assessment strategies
- Cellular immune response assessment

VACCINES AND INFECTIOUS DISEASE

Extensive vaccine and infectious disease expertise supports the evaluation of both humoral and cellular immune responses.

Capabilities include:

- Vaccine immunogenicity testing
- Neutralizing antibody assays
- Cellular immune response assessment
- Humoral immune response assessment
- Serology testing
- Viral load monitoring
- Wild-type discrimination assays
- Viral infectivity assays
- qPCR and dPCR

CELL AND GENE THERAPY SUPPORT

Specialized testing solutions designed to address the unique challenges of cell and gene therapy development.

Capabilities include:

- Vector biodistribution studies
- Vector shedding studies
- Vector copy number assays
- Persistence monitoring
- Immune monitoring
- Cellular response assessment

TECHNOLOGY PLATFORMS

Our laboratories leverage a broad range of established and emerging technologies to support evolving sponsor needs.

Immunology and biomarker platforms

- Flow cytometry
- ELISpot
- MSD
- ELISA
- Multiplex immunoassays
- Luminex®

Molecular and genomic platforms

- qPCR
- ddPCR
- Next-generation sequencing
- Sanger sequencing
- Genomic profiling
- NanoString gene expression

Specialty bioanalytical platforms

- LC-MS/MS
- Cell-based assays
- Custom assay development and validation

BIOMARKER TESTING

Biomarkers play a critical role in understanding therapeutic activity and guiding development decisions. We support biomarker assay development, validation, and implementation from preclinical research through clinical development and post-market studies.

Capabilities include:

- Biomarker assay development
- Biomarker validation
- Translational biomarkers
- Predictive biomarkers
- Pharmacodynamic biomarkers

CELL-BASED ASSAYS

Customized cell-based approaches help evaluate functional immune responses, cellular activity, and therapeutic mechanisms.

Capabilities include:

- Functional immune response testing
- Cellular characterization
- Flow cytometry
- ELISpot
- Immune monitoring
- PBMC processing and cryopreservation
- TCID50 and Plaque Reduction (PRNT) assays

MOLECULAR AND GENOMIC TESTING

Advanced molecular technologies support biomarker evaluation, genomic analysis, infectious disease testing, and advanced therapeutic development.

Capabilities include:

- qPCR, RT-qPCR, ddPCR
- Next-generation sequencing (NGS)
- Sanger sequencing
- Gene expression analysis
- Viral load monitoring
- Biodistribution and shedding studies
- Genomic profiling
- 16S microbiome, WGS, WES, WTS, and RNA-Seq

ONCOLOGY AND IMMUNO-ONCOLOGY

Comprehensive biomarker and immune monitoring solutions support precision medicine, immuno-oncology, and oncology drug development programs.

Capabilities include:

- Oncology biomarker testing
- Immuno-oncology support
- Tumor immune profiling
- Translational oncology studies
- Precision medicine strategies

TRANSLATIONAL SCIENCES

Bridging biological mechanisms with clinical outcomes through integrated biomarker and immune monitoring strategies.

Capabilities include:

- Translational research support
- Mechanism-of-action studies
- Target engagement studies
- Biomarker strategy development
- Immune monitoring programs
- Clinical endpoint support

Why work with us?

Scientific expertise for complex therapeutics

Our scientists collaborate with sponsors to develop customized testing strategies aligned with therapeutic mechanisms, clinical endpoints, and regulatory requirements. Whether supporting a novel biologic, vaccine candidate, or advanced therapy, we help ensure studies are backed by meaningful scientific insights.

Customized solutions for every program

No two development programs are alike. We design, optimize, validate, transfer, and execute fit-for-purpose assays that address specific therapeutic, operational, and regulatory needs.

High-quality, regulatory-ready data

Robust quality systems, validated methodologies, and experienced scientific teams help ensure accurate, reproducible, and reliable results that support critical development decisions.

Support across the development lifecycle

Our team provides continuity from preclinical research through post-market surveillance, delivering the expertise needed as scientific, regulatory, and operational requirements evolve.

Integrated clinical trial solutions

As part of Eurofins Clinical Trial Solutions, we complement Central Laboratory and Clinical Trial Supplies services with specialized bioanalytical and biomarker expertise. Together, we help streamline study execution, sample management, logistics, testing, and data generation across global clinical programs.

Proven partnership

We combine scientific excellence, operational flexibility, and responsive customer support to help sponsors reduce risk, improve data quality, and accelerate development timelines.

Designed for today's biologics pipeline

As therapeutic programs become increasingly complex, **sponsors need more than testing alone**. They need scientific partners who can navigate challenging biomarkers, novel modalities, evolving regulatory expectations, and increasingly sophisticated clinical trial designs.

Our team combines scientific expertise, operational flexibility, and consultative support to help sponsors generate meaningful data, reduce program risk, and accelerate development from preclinical research through post-market surveillance.

Your partner in bioanalytical and biomarker excellence

Whether you're developing a biologic, vaccine, cell therapy, gene therapy, or biomarker-driven program, **Eurofins Viracor BioPharma provides the expertise, flexibility, and scientific rigor needed to generate high-quality data and support confident decisions at every stage of development**.

Partner with us to accelerate development, improve data quality, and advance innovative therapies from preclinical research through post-market surveillance

Contact: clinicaltrials@vbp.eurofinsus.com **Visit:** eurofinsvbp.com

Eurofins Viracor BioPharma
8035 Quivira Road Lenexa, KS 66214 | +1 913-408-6061

FOR RESEARCH ONLY, NOT FOR DIAGNOSTICS. All trademarks mentioned herein are the property of Eurofins or their respective owners. Lit No. EBPS-VE-US-CTT-08/2026.
Printed in the US. Eurofins Central Laboratory and Eurofins Viracor BioPharma are independent companies of Eurofins Clinical Trial Solutions.