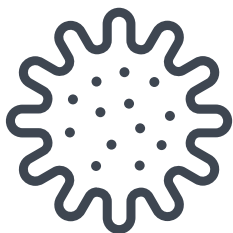


# Preclinical Services for Gene Therapy, Gene Editing Therapy, and Oncolytic Virus Development

Precision for Medicine works with sponsors to gather the data necessary to move preclinical gene therapies and oncolytic virus products into the clinical phase. We've utilized our expertise in advanced genomic approaches and immunogenicity assessments to support dozens of gene therapy development projects, both at the preclinical phase and through clinical trials.



## Gene Therapy (Viral Vector)

- NAb/TAb assay development (can transfer to clinical assays)
- Biodistribution via ddPCR, qPCR
- DNA/RNA extraction (automated or manual)



## Gene Editing Therapies

- Assess gene editing accuracy and specificity via NGS
- Biodistribution of vectors via ddPCR, qPCR
- DNA/RNA extraction



## Oncolytic Virus

- Biodistribution via ddPCR, qPCR
- DNA/RNA extraction

## Instrument and Assay Platforms

### PCR

- QuantStudio™ 12K Flex OpenArray® System
- Bio-Rad QX200 Droplet Digital™ PCR System with automated droplet generator

### NGS

- Illumina NextSeq® 500
- Thermo Fisher Genexus™

### DNA/RNA Extraction

- Thermo Fisher KingFisher™ Flex System

### NAb/TAb assays via ELISA, ELISpot

# Solving the most complex challenges in biomarker-driven and precision therapeutic development

Precision for Medicine is the first clinical research services organization engineered to support life sciences companies in the use of biomarkers essential to targeting patient treatments more precisely and effectively. Combining deep scientific expertise, clinical trial excellence, and advanced approaches for data science, Precision accelerates therapeutic development from the late preclinical phase through commercialization.

- 7 specialty labs throughout North America and Europe
- Sample processing labs on 5 continents
- Central lab services, including custom kitting, logistics, processing, and storage
- GxP, CLIA, CLSI, CAP, ISO 9001, and ISO 13485

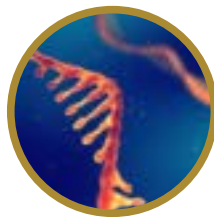
## Comprehensive suite of technologies, capabilities, and proprietary approaches to interrogate any sample type

### DNA



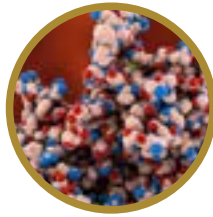
- PCR - ddPCR, qPCR
- Next-Generation Sequencing - whole exome and targeted resequencing

### RNA



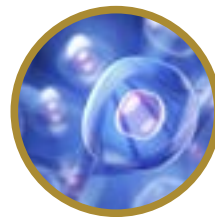
- Gene expression profiling - NanoString
- CAR-T and virus (ie, gene therapy) biodistribution
- rtPCR
- MicroRNA analysis

### Protein



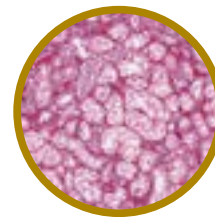
- Comprehensive large molecule bioanalysis - PK, ADA, NAb
- Multiplex cytokine profiling, receptor occupancy, tetramer staining
- Custom ligand binding assays - ELISA, MSD, Biacore
- Quantitative image analysis of protein expression (eg, phosphorylation, signaling)

### Cell



- Flow cytometry - up to 31 color panels, ICS, phosphoflow, receptor occupancy
- Functional assays - eg, T cell activation, ADCC, ELISpot
- Single-cell quantitative image analysis
- Proprietary cell separation technology for CTCs and cfDNA
- Immunophenotyping via proprietary epigenetic platform

### Tissue



- Multiplex IHC with centralized pathology reading
- Quantitative IF - up to 9 concurrent markers
- FISH, ISH, sequencing

Download your digital copy



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Rev. 02

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