

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

DNA/RNA Extraction

■ Thermo Fisher KingFisher Flex

NGS

- Illumina NextSeq 500
- Thermo Fisher Genexus[™]

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

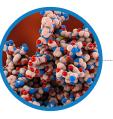
- PCR ddPCR, qPCR
- Next-Generation
 Sequencing whole
 exome and targeted
 resequencing

RNA



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

Protein



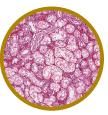
- Comprehensive large molecule bioanalysis -PK, ADA, NAb
- Multiplex cytokine profiling, receptor occupancy, tetramer stating
- Custom ligand binding assays - ELISA, MSD, Biacore
- Quantitative image analysis of protein expression (eg, phosphorylation, signaling)

Cell



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

Tissue



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

