

Cell Therapy Research & Clinical Development Services

Precision's experience developing a broad range of cell therapies, including CAR-T cells, stem cells, autologous and allogeneic products, and tumor-infiltrating lymphocytes, gives us insight into the challenges of cell therapy as a whole, as well as how development of each of these cell types differs. We understand the needs of each program and our integrated, multidisciplinary team can create a bespoke solution appropriate for your unique project.

Precision's integrated, end-to-end cell therapy solutions



Biospecimen
Solutions



Central Lab
Services



Specialty Labs
& Biomarker
Assays



Clinical Trial
Design &
Conduct



CDx
Development &
Commercialization



Biospecimen
Solutions

- PBMCs (healthy and disease state)
- Leukopaks & mobilized leukopaks



Central Lab
Services

- Clinical sample collection kit development: specialized processes to accommodate complex or rare disease studies
- Global sample logistics, shipping, and biostorage
- Real-time sample data analytics and virtual sample inventory management
- PBMC processing at 11 labs across 5 continents



Specialty Labs
& Biomarker
Assays

Immune Monitoring

- Flow cytometry up to 31 colors - example: T cell phenotyping
- Cell phenotyping via epigenetics (Epiontis ID)
- ELISpot/Fluorospot - example: T cell functional phenotyping
- Monitoring of specific cell types and activation states - example: Tregs

Bioanalysis

- ADA assays - example: analysis of CAR antigens to CAR-T
- Cytokine analysis via Mesoscale, Luminex, Quanterix, ELISA

Genomics

- NGS - examples: TCR sequencing, RNAseq to monitor gene expression change after treatment
- ddPCR/qPCR: PK, CAR-T biodistribution
- Nanostring - example: CAR-T characterization panel

IHC/mIF and Pathology

- IHC, including CLIA assays
- Multiplex immunofluorescence: assess tumor microenvironment and spatial biology (up to 8 concurrent markers)

Liquid Biopsy

- CTC capture and enrichment with proprietary ApoStream technology
- CTC phenotyping
- cfDNA/ctDNA analysis
- Pharmacodynamic assessments



Clinical Trial
Design &
Conduct

- Full service global clinical trial design and conduct
- Dedicated cell therapy working group to ensure alignment with current regulatory environment and best practices for study conduct
- Patient recruitment and enrollment: specialization in rare disease trials



CDx
Development &
Commercialization

- Biomarker discovery and assay development
- Assay development into single-site PMA CDx with full regulatory and market access support
- Preclinical planning and strategy

To learn more about Precision for Medicine, please contact us at info@precisionformedicine.com, or visit precisionformedicine.com.

PRECISION
for medicine