

Flow Cytometry Clinical Development Testing

End-to-end flow cytometry solutions supporting confident clinical advancement

Eurofins Clinical Trial Solutions provides comprehensive flow cytometry testing solutions to support clinical development across oncology, immunology, infectious disease, and cell and gene therapy programs. Through our globally integrated laboratory network, advanced flow cytometry platforms, and experienced scientific teams, we deliver high-quality, decision-ready data designed to accelerate development and support regulatory success.

Driving Better, Faster Clinical Outcomes



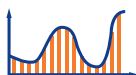
Deep Flow Cytometry Expertise

With more than 20 years of experience, our scientific teams develop and implement customized flow cytometry strategies tailored to the biology of each therapeutic program and the objectives of each clinical study.



Fit-for-Purpose Assay Development and Validation

Our teams provide assay development, transfer, qualification, and validation services aligned with CLSI H62 guidance and suitable for exploratory through fully regulated clinical studies.



Advanced High-Parameter and Spectral Capabilities

Our global network supports both conventional and spectral flow cytometry applications, enabling comprehensive immune characterization and functional assessment through:

- High-parameter immunophenotyping
- Functional immune monitoring
- Antigen-specific response analysis
- Rare event detection
- Cellular kinetics assessment
- Receptor occupancy testing
- Immunogenicity evaluation (ADA/NAb)



Global Laboratory Support for Clinical Execution

Coordinated global laboratory operations support consistent implementation across sites, including PBMC processing, cryopreservation, technology transfer, and standardized testing workflows.



Quality-Focused Testing in Regulated Environments

Testing is performed within CAP/CLIA, GCLP, and GLP/GLP-like frameworks to support data integrity, regulatory compliance, and global study requirements.



Comprehensive flow cytometry capabilities

Immunophenotyping

Characterize complex immune populations with customized and off-the-shelf panels, including:

- T cell maturation and subset analysis
- T cell activation, exhaustion, and checkpoint profiling
- T regulatory cell monitoring
- B cell subset characterization
- Natural killer (NK) cell profiling
- Monocyte analysis

Functional Immune Monitoring

Evaluate immune function through:

- Ex vivo stimulation assays
- Tumor-associated antigen responses
- Viral antigen responses
- Intracellular cytokine staining
- Tetramer analysis
- Cellular signaling studies, including phosphorylation and acetylation measurements

Cell and Gene Therapy Applications

Support advanced therapeutic programs with:

- CAR-T monitoring
- Engineered cell tracking
- Cellular kinetics studies
- Receptor occupancy assays
- Humoral immunogenicity testing
- Neutralizing antibody assessments

Global flow cytometry infrastructure

Integrated centers of excellence

Our flow cytometry network provides globally harmonized testing capabilities across North America, Europe, and Asia-Pacific, supported by:

- Standardized assay implementation
- Technology transfer and scientific consultation
- PBMC processing and cryopreservation
- Global sample testing and reporting
- Cross-site operational alignment
- Globally Validated TBNK Analysis - BD Multitest™ 6-color TBNK (IVD)

Flexible specimen support

Experience across multiple sample types, including:

- Whole blood
- Bone marrow
- Cryopreserved PBMCs
- Cryopreserved Whole Blood

Ready-to-deploy panel options

Off-the-shelf 13-color and 26-color spectral panels help streamline study startup while maintaining flexibility for customized assay designs.



Partner with Eurofins Clinical Trial Solutions

Advance your clinical program with comprehensive flow cytometry testing, specialized scientific expertise, and globally integrated laboratory support designed to deliver meaningful insights across every stage of development.

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