

Integrated Flow Cytometry Resource

Flow cytometry has become a critical tool in the development of therapeutic modalities which impact the immune system. The increase in client demand for flow cytometry services in oncology, immunology, and infectious disease, has spurred Eurofins Clinical Trial Solutions to invest significantly in industry-leading technologies, experienced assay development scientists, and bioinformaticians; to enable us to better support clinical development today and into the future.

We have long provided custom flow cytometry assay development, validation and analysis to fit our customers' needs, but with the creation of our new flow cytometry centers of excellence, we are well positioned to provide custom global solutions, with our integrated team of scientific experts, across a broad range of flow cytometry applications.

Over 20 Years of Experience

Functional Assays and Antigen-specific Responses

- Ex vivo stimulation
 - Tumor associated antigens
 - Viral antigens
- Intracellular Cytokines
- Tetramer staining
- Signaling (phosphorylation and acetylation)

High-parameter Immunophenotyping

- B cell subsets
- NK cell subsets
- T cell exhaustion, activation, checkpoint
- T cell maturation and subsets
- Monocytes

Other

- Cellular Kinetics
 - Engineered cells
 - CAR-T cells
- Immunogenicity (NAb / ADA)
- Receptor Occupancy

Regulated Settings

- CAP/CLIA
- GCLP
- GLP/GLP-Like

Specimen Types

- Whole Blood
- Bone Marrow
- Cryopreserved PBMC
- Tissue Samples

**Currently
Developing
Off-the-Shelf
Spectral Panels**

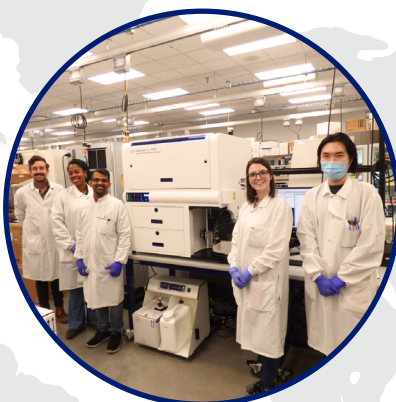
Eurofins Global Flow Cytometry Network

St. Charles, MO, USA (BioA)

- Agilent NovoCyte Quanteon, 4-laser, 25-color
- BD FACSCanto™ II Flow Cytometer, 3-laser, 8-color

Lenexa, KS, USA (Viracor BioPharma)

- BD FACSymphony™ A5, Spectrally Enabled, 5-laser, 48-color
- BD FACSymphony™ A5, 5-laser, 27-colors
- BD LSRFortessa™ Flow Cytometer, 3-laser, 14-color
- BD FACSCanto™ II Flow Cytometer, 3-laser, 8-color



Lancaster, PA, USA (Central Laboratory)

- BD FACSLytic™ 3-laser, 10-color
- FACSCanto™ II Flow Cytometer, 3-laser, 8-color

Breda, Netherlands (Central Laboratory)

- BD FACSLytic™ 3-laser, 10-color
- FACSCanto™ II Flow Cytometer, 3-laser, 8-color
- BD FACSymphony™ A5, Spectrally Enabled, 5-laser, 48-color

Singapore (Central Laboratory)

- FACSCanto™ II Flow Cytometer, 3-laser, 8-color
- BD FACSymphony™ A5, Spectrally Enabled, 5-laser, 48-color (planned)

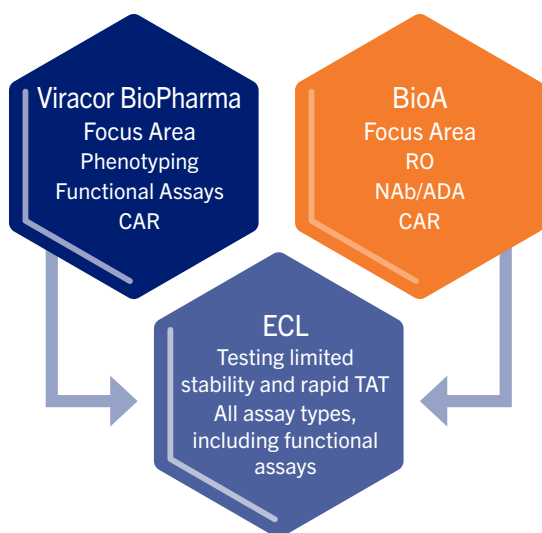
Shanghai, China (Central Laboratory)

- FACSCanto™ II Flow Cytometer, 3-laser, 8-color



Integrated Structure

- Two Centers of Excellence
- Sample testing
- Technology transfer, expertise and support to Eurofins Central Laboratory (ECL)
- Assay development/Assay validation
 - Fully aligned with CLSI H62



Flow Cytometry Resources



WEBINAR
**Quantitative Measurement
Solutions for Flow Cytometry**



WEBINAR
**Utilizing Flow Cytometry for
Humoral Immunogenicity Testing:
Cell & Gene Therapy**



WEBINAR
**Rare Event Analysis in Flow Cytometry:
Design Control and Validation Aligned
with CLSI H62**

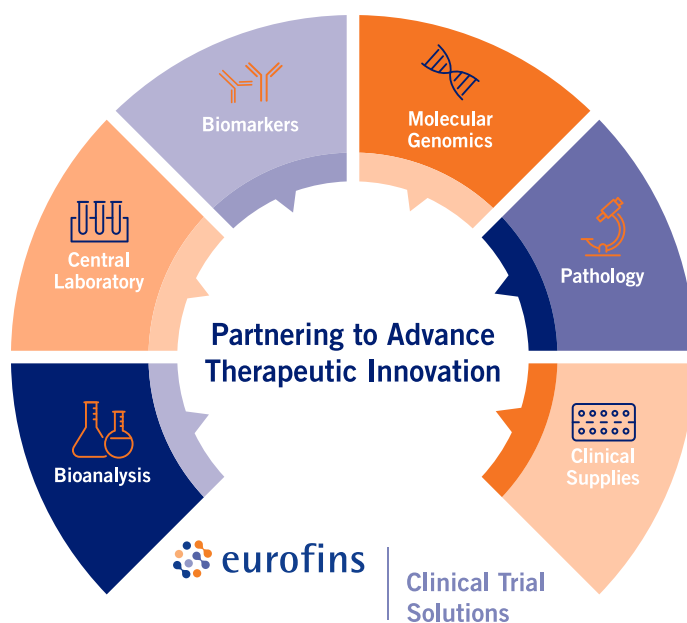


ARTICLE
**Using Spectral Flow Cytometry for CAR
T-Cell Clinical Trials: Game Changing
Technologies Enabling Novel Therapies**

Global Leadership

**Virginia Litwin, Ph.D.,
Director of Scientific Affairs**

- President-Elect, International Society for the Advancement of Cytometry
- 2023 recipient of Wallace H. Coulter Award, International Clinical Cytometry Society
- Chair CLSI H62
- Co-founder AAPS Flow Cytometry Committee



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