

Building an 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 Biopharma 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

Ag-specific/Functional

- Intracellular Cytokines
- Ex vivo stimulation
- Tumor associated antigens
- Viral antigens
- Tetramer staining
- Tumor associated antigens
- Basophil activation test (BAT)
- CFSE proliferation assay
- NK cell functional assay
- Neutrophil functional assay (oxidative burst)
- Signaling (phosphorylation and acetylation)

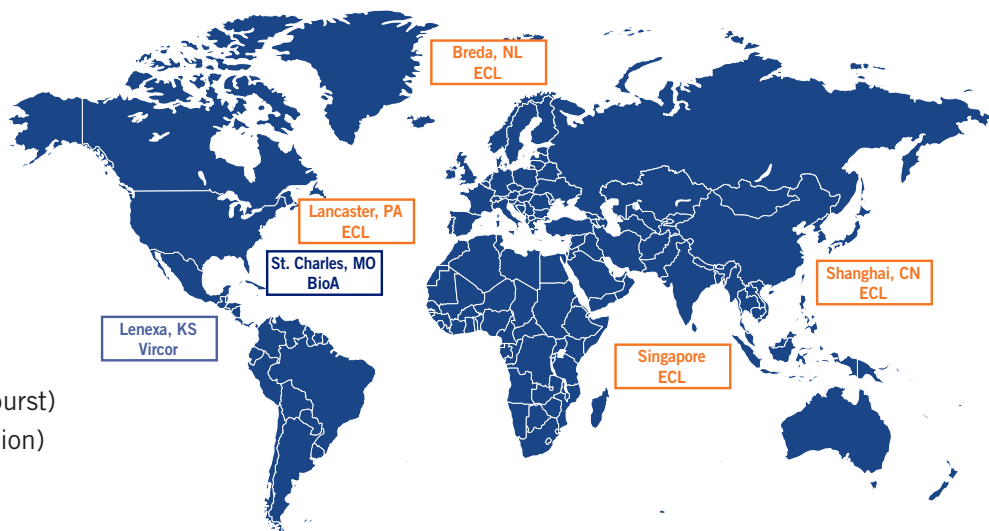
Immunophenotyping

- B cell subsets
- CD34 Stem cells
- CD4 T cell subsets (Th1, Th2, Th17, Treg)
- DCs (pDC, mDC1, mDC2)
- Eosinophils
- Monocytes
- NK cell subsets
- T cell exhaustion, activation, checkpoint
- T cell subsets
- TBNK

Other

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

Eurofins Global Flow Cytometry Network



Regulated Settings

- CAP/CLIA
- GCLP
- GLP/GLP-like

Specimen Types

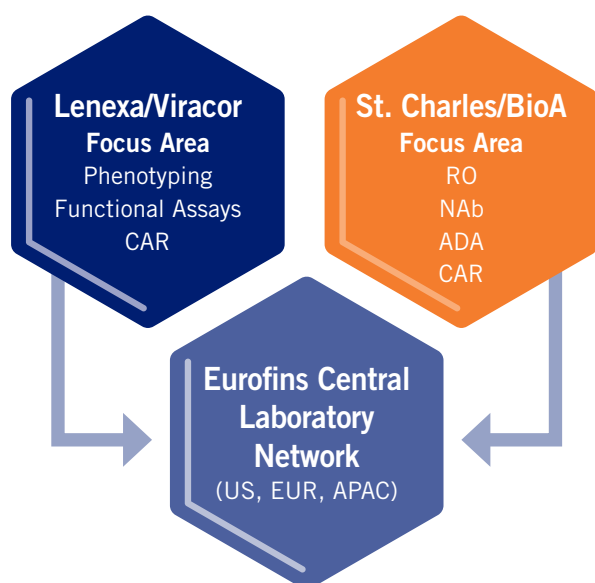
- Whole blood
- Cryopreserved PBMC

Global Footprint

- Breda, Netherlands
- Lancaster, PA, USA
- Lenexa, KS, USA
- St. Charles, MO, USA
- Shanghai, China
- Singapore

New Structure

- Assay development/Assay validation Centers of Excellence
- Fully aligned with CLSI H62
- Sample testing
- Transfer assays, expertise and support to Eurofins Global Central Laboratories



New Leadership

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



- Leader in flow cytometry validation & standardization
- Focused on Bringing Cytometry from Bench-to-Bedside
- Chair CLSI H62
- Co-founder AAPS Flow Cytometry Community
- Editor Special Issues:
 - JIM- Flow Cytometry Biomarkers and Translational Medicine (2011)
 - Cytometry Part B- Receptor Occupancy (2015)
 - Cytometry Part B- Cytometry Advancing Next Generation Drug Development (2021)

Current Instrumentation

Lenexa, KS, USA (Viracor)

BD FACSymphony™ A5 Cell Analyzer, 5-laser, 27-colors
BD LSRFortessa™ Flow Cytometer, 3-laser, 14-color
BD FACSCanto™ II Flow Cytometer, 3-laser, 8-color

St. Charles, MO, USA (BioA)

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

Breda, Netherlands (Eurofins Central Laboratory)

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

Lancaster, PA, USA (Eurofins Central Laboratory)

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

Shanghai, China (Eurofins Central Laboratory)

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

Singapore, (Eurofins Central Laboratory)

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

New Instruments

- BD FACSymphony A5 Spectrally Enabled
- Deploying globally



**Scan to Contact
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