

Processing Peripheral Blood Mononuclear Cells (PBMC) for Clinical Trials:

Cerba Research's Synergistic Approach



PBMCs Processing and **Speciality Lab** **Testing** Across The World

Flexibility, Expertise & High
Quality Standards



Sample Receipt
& Accessioning
On-site



PBMC Isolation
10-12 hrs



Aliquoting &
Cryopreservation
Additional Testings,
if required
Long-term Storage
12-24 hrs



USA:

New York

Routine, Genetics/
NGS, Molecular Biology,
IVD, Flow Cytometry,
Bioanalytical Lab/
PK, Histopathology/IHC,
Virology, PBMC

Belgium:

Ghent

Routine, Molecular
Biology, Bioanalytical
Lab, Flow Cytometry,
Microbiology, PBMC

The Netherlands:

Rotterdam, Rijswijk
& Schaijk

BSL3, Preclinical,
Molecular Biology,
Genetics/NGS, Pathology,
Virology, PBMC

Australia:

Sydney

Routine, Molecular
Biology, Flow Cytometry,
Virology, PBMC

China:

Shanghai

Routine, Genetics/NGS,
Molecular Biology, Flow
Cytometry, Bioanalytical
Lab/PK, Histopathology/
IHC, PBMC

South Africa:

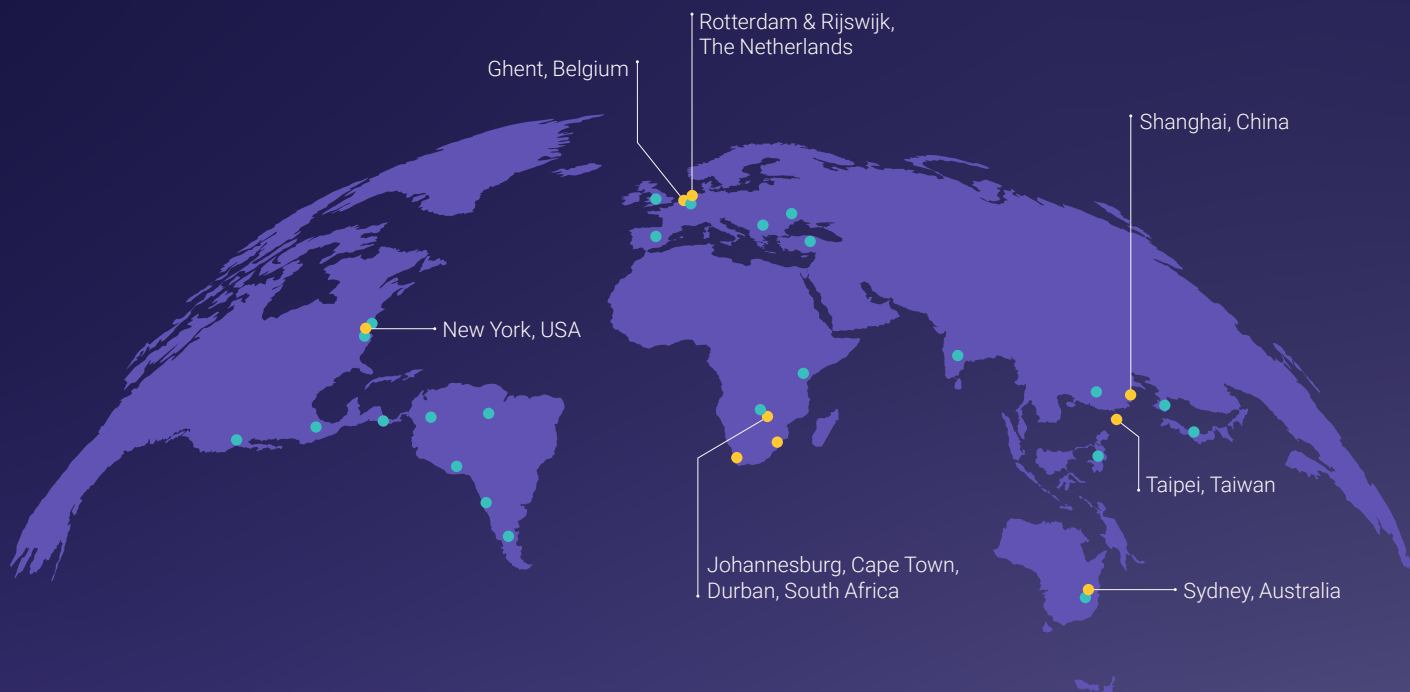
Johannesburg

Routine, Genetics/
NGS, Molecular Biology,
Flow Cytometry,
Histopathology/ IHC,
Virology, Microbiology,
BSL3, Biorepository,
PBMC

Taiwan:

Taipei

Routine, Genetics/
NGS, Flow Cytometry,
Histopathology/IHC,
Lab/PK, PBMC



● Office locations and Technical Platforms

● Pre-Processing labs

North America (New York, San Diego, Richmond) - Central America (Mexico, Costa Rica) - Latin America (Argentina, Chili, Peru, Brazil, Colombia) - Europe (Belgium, Netherlands, UK, Serbia, Turkey, Spain, Ukraine) - Africa (South Africa, Kenya) - Asian Pacific (South Korea, Philippines, Japan, India, Australia, China)

Largest Global PBMC & Processing Lab Network



PBMC-based analytical tests are crucial to accelerate the development of new vaccines, drug discovery, diagnostic development, Precision Medicine Research (e.g., CAR-T cell therapy, gene therapy, etc.), and toxicology applications. To this end, the supply of high-quality PBMC is an essential first step in the process.



Specialized and central laboratories in clinical trials renowned on functional and analytical tests downstream of PBMCs isolation (Flow Cytometry, ELISA, ELISpot, pSTAT, NGS, Protein Extraction and Quantification, etc.), joined together their capabilities and expertise to guarantee the customers a high level of quality from sample collection to processing, shipping, handling, storage and analysis worldwide.

High Quality Standards

All our processing labs are accredited to the relevant local laboratory accreditation standards, which include: CAP, GCP, GLP, ISO17025/15189

Quality control and personnel trainings are monitored on-site to ensure compliance with the processing procedures required by the customer

1. Post collection using CPTubes, the average viability obtained is 99,3% after 4hrs and 97,9% after 24hrs and 96,8% and 85,5% respectively post-thawing - Internal data
2. After thawing the average recovery is 75% - Internal data
3. Turnaround times may vary from one country to another, reflecting possible transportation delays or excessive workloads within the lab.

At the crossroads of capabilities and expertise

Extensive Network

45 processing labs in America, Europe, Africa, Asia, and Australia

Ability to on-board lab partners worldwide

Standardized SOP

Harmonized SOPs on a global scale for PBMCs isolation, cryopreservation, and storage ensuring high viability and recovery

Viability $\geq 97\%$ ¹ ; Recovery $\geq 75\%$ ²

Our standard PBMC processing protocol includes Vacutainer® CPT Mononuclear Cell Preparation Tube

Customized upon request

Premium Logistics

Management of sample processing labs

PBMC Personnel Training Program and Certification

Custom sampling kits preparation

Sample tracking and tracing (e.g. guaranteeing a temperature-controlled supply chain and online-sample timelines)

Premium courier transportation in accordance with ADR and IATA regulations

Short Turnaround Times

Same-day PBMC isolation (<24 hours)³

Interested in How We Can Shape Your **Laboratory Strategy** for Better Outcomes?

Get in touch today and see how Cerba Research
will support your next program.

cerbaresearch.com

