

## 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.

**Cerba Research and Viroclinics-DDL (a Cerba Research Company)**, as 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.

### 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  $\geq 97\%$ <sup>1</sup>; Recovery  $\geq 75\%$ <sup>2</sup>**
- Our standard PBMC processing protocol includes Vacutainer® CPT Mononuclear Cell Preparation Tube
- Customized upon request

#### Short Turnaround Times

- Same-day PBMC isolation (<24 hours)<sup>3</sup>

#### 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

#### 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

<sup>1</sup> Post collection using CPTtubes, 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

<sup>2</sup> After thawing the average recovery is 75% - Internal data

<sup>3</sup> Turnaround times may vary from one country to another, reflecting possible transportation delays or excessive workloads within the lab.

## Where to find us?

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## Get in touch




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## Processing Peripheral Blood Mononuclear Cells (PBMC) For Clinical Trials:

Cerba Research & Viroclinics-DDL's synergistic approach

# PBMCs Processing and Speciality Lab Testing Accross The World

Flexibility, Expertise & High Quality Standards

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  - Sample Receipt & Accessioning **On-site.**
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  - PBMC Isolation **10-12 hrs.**
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  - 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, Pre-clinical, 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

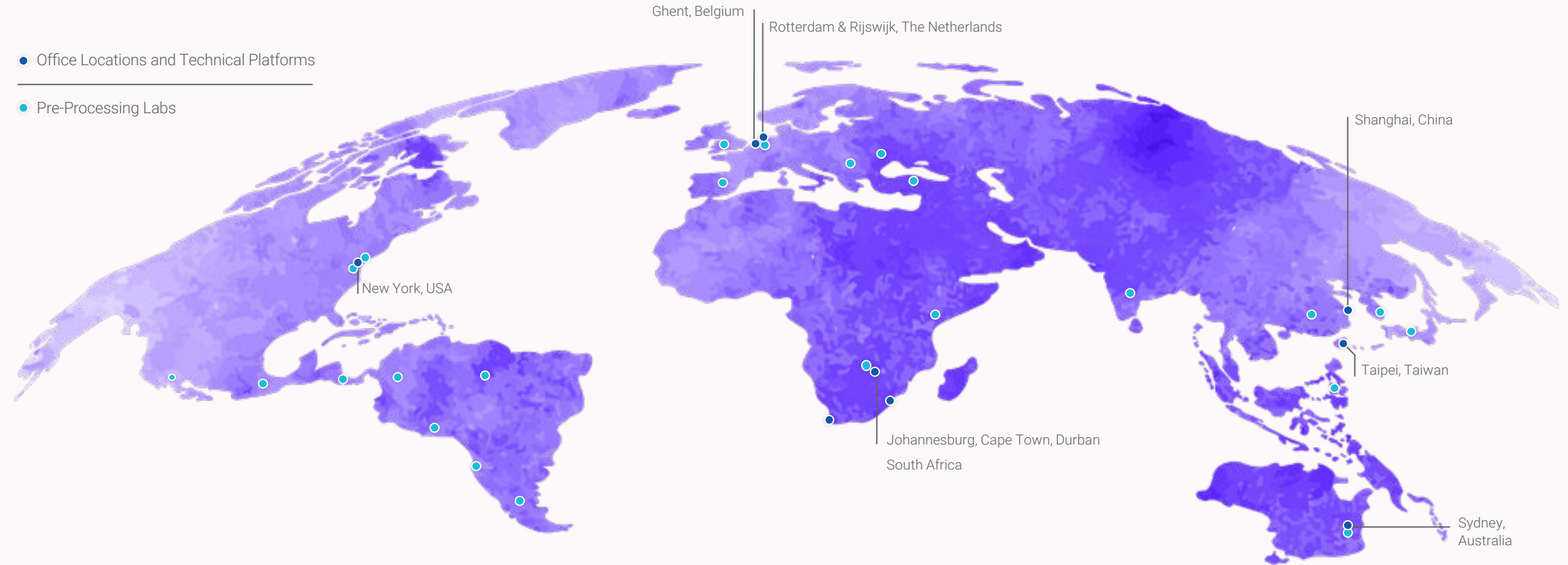
Routine, Genetics/NGS, Molecular Biology, Flow Cytometry, Histopathology/IHC, Virology, Microbiology, BSL3, Biorepository, PBMC

## 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, Chile, Peru, Brazil, Colombia) - **Europe** (Belgium, Netherlands, UK, Serbia, Turkey, Spain, Ukraine) - **Africa** (South Africa, Kenya) - **Asian Pacific** (South Korea, Philippines, Japan, India, Australia, Israel, China)