

## 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?

**Cerba Research HQ EU,**  
Industriepark 3, Zwijnaarde  
9052 Ghent, Belgium

**Cerba Research US,**  
5 Delaware Dr, New Hyde  
Park NY 11042, USA

**Viroclinics-DDL NL**  
Rotterdam Science Tower  
Marconistraat 16 Rotterdam

**Cerba Research TW,**  
11F, 3 Park St, Nangang Dis  
11503, Taipei, Taiwan

**Cerba Research FR,**  
126 Rue Emile Baudot  
34000 Montpellier, France

**Viroclinics-DDL NL**  
Nistelrooise Baan 3,  
5374 RE Schaijk

**Cerba Research AU,**  
50 Montgomery Str, Kogorah  
NSW 2217, Australia

**South Africa (BARC SA),**  
11 Napier Road, Richmond  
Johannesburg, South Africa

**Viroclinics-DDL NL**  
Visseringlaan 25  
2288 ER, Rijswijk

**Cerba Research CN,**  
128 Xiangyin Road,  
Shanghai, China

**Cerba Research FR,**  
7-11 Rue de l'Équerre  
95310 Paris, France

## Get in touch

+32 9 329 23 29  
info@cerbaresearch.com  
cerbaresearch.com

## 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.**

- Office Locations and Technical Platforms
- Pre-Processing Labs

### 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:

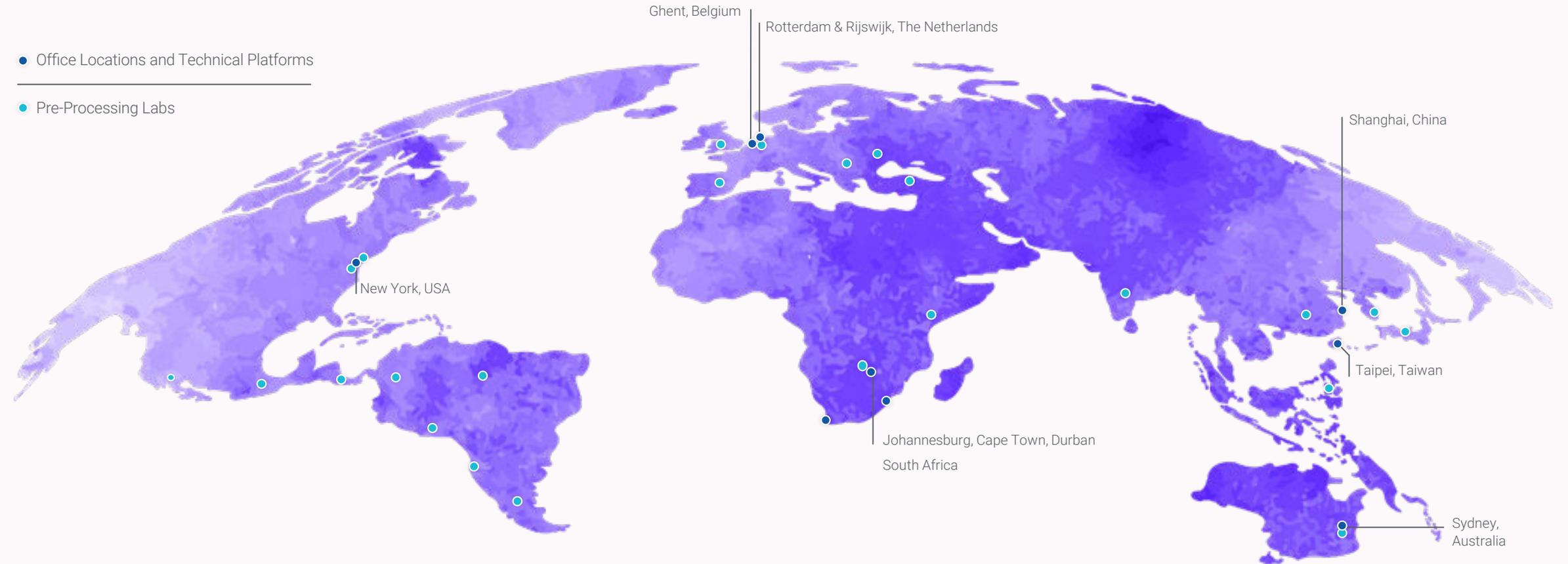
#### Johannesburg

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



**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)