

PBMC Network in Global Clinical Trials

From compound discovery and clinical research through manufacture and release of commercial product and post approval/marketing, the Eurofins BioPharma Services network of companies provides seamless, end-to-end solutions to help clients progress through the drug development cycle through a single, experienced provider. Our integrated solutions deliver the most comprehensive range of state-of-the-art analytical technologies with an expansive geographic reach in order to support our clients' specialized testing needs and stringent quality and safety requirements around the world.

PBMC Network Map



PBMC Network Overview

- Real world value proposition of largest global, network of Eurofins Clinical Trial Solutions (~50 locations and growing)
- This service offering entails effective harvesting, processing, and analysis of peripheral blood mononuclear cell (PBMCs)
- This allows clients the ability to evaluate immune functional responses to therapeutic agents and gain a deeper understanding of immune system function pre-dose, post-dose, and at other integral stages of testing
- Global presence for sample stability and processing at a Eurofins Clinical Trial Solutions facility utilizing harmonized PBMC processes and analysis across core laboratory locations
- Additional complementary network of subcontracted or Eurofins network laboratory can be brought on board to support rapid turnaround (8-10 hours) sample processing
- Can process and stabilize locally and ship for storage/ downstream testing
- Specialized testing services available – PBMC processing/ Flow cytometry/ Virology specimen stabilization



HUB BASED PBMC PROCESSING [HUB MODEL]

The Eurofins Central Laboratory network of companies will utilize its global laboratories to process and store PBMCs that have an extended processing window of 24-32 hours.



PBMC CUSTOMIZATION NETWORK [NETWORK MODEL]

Eurofins Central Laboratory will build and manage a highly customized PBMC solution, maximizing our geographic reach and expanding network of laboratories. The Network Model supports <8-10 hours processing timeline targets.



SPONSOR SITE PBMC PROCESSING MANAGEMENT [SITE MODEL]

Eurofins Central Laboratory will coordinate qualification, training, logistics, and storage using the sponsor site technicians as processing centers for <8 hours processing timeline targets.

3 distinct solutions for rapid TAT PBMC stabilization:

- Hub Model
 - Processing timeline targets: >24 hours
- Network Model
 - Processing timeline targets: <8-10 Hours
- Site Model
 - Processing timeline targets: <8 Hours

Eurofins Clinical Trial Solutions has also has the ability to create hybrid customized solutions to support PBMC processing

- Hybrid model processing timelines targets: <32 Hours

For more information, please contact clinicaltrialsolutions@bcl.eurofins.com

Please note: every sample processing location must be evaluated for capacity during bid phase to ensure adequate study support will be available for the duration of the study.

Eurofins PBMC Processing Network Capabilities

- Over 50 active global locations, PBMC experienced Laboratory Technicians and downstream analytical capabilities
- Can provide 24 hour TAT from point of collection to processing, from most global site locations
 - Eurofins Standard PBMC processing protocols
 - Ficoll-Paque method
 - CPT method
 - Frit barrier method
 - 25+ different Sponsor defined processing protocols
 - Variation in:
 - Window of processing
 - Collection techniques
 - Washing steps
 - Specialized stabilization media
- Ability to customize PBMC processing protocols incorporating Sponsor defined criteria
- To ensure quality Eurofins will perform laboratory/ technician qualification, including cellular viability prior to sample processing

For 24 hours TAT requirements, all PBMC shipments are expedited and registered within Eurofins Central Laboratory under the priority lane. We verify at the onset of any project the exact times when PBMC isolation may be required, and we require site communication and notification of incoming samples to ensure adequate staffing ahead of time.

