



PRODUCT DATA SHEET – ePBMC® Cryopreserved Human PBMC

Catalog No.: TBD
Product name: ePBMC® - Cryopreserved Human PBMC
Size: ≥10 million cells per vial

Description: Human PBMC (Peripheral Blood Mononuclear Cells) isolated from leukopaks/lymphopacks and frozen in CTL-CryoABC™ serum-free freezing medium. Lymphopacks are ethically collected in FDA-registered collection centers from IRB consented healthy human volunteer donors by leukapheresis using COBE® Spectra or COBE® Spectra Optia aphaeresis systems following MNC collection protocol in ACD-A anticoagulant. The following donor screening tests are performed with each donation at the collection center:
Infectious tests: tested negative for Hepatitis B Core Antibody, Hepatitis B Surface Antigen, Hepatitis C Virus Antibody, HIV Antibody (HIV ½ plus O), Human T-Lymphotropic, Virus Antibody, HIV-1/HCV/HBV Nucleic Acid Testing, WNV Nucleid Acid Testing, Tripanosoma cruzi Antibody
Serological tests: Syphilis, Antibody Screen, Anti-CMV, and ABO-Rh

Biosafety: Cells should be handled following biosafety level 2 procedures. Universal precautions should be utilized when working with these cells. Use aseptic techniques when thawing and handling the cells.

Performance: Cell functionality equivalent to fresh cells, tested by ELISPOT

Applications: PBMCs are suited for T cell and B cell monitoring in ELISPOT, ELISA, cytokine bead array, tetramer/pentamer, and cytokine capture assays or any assay that requires live PBMC

Recommended test

concentration: Investigators are advised to determine optimal cell concentrations for individual applications (CTL recommends of 100,000 to 1,000,000 cells / well for ELISPOT depending on the analyte)

Stability and storage:

Cryopreserved cells are shipped on dry ice or in dry cryoshipper and should be unpacked immediately upon receipt! Short-term (<24h) storage of cells at -80°C is acceptable, but should be minimized to ensure maximum stability. For long-term storage, cryopreserved cells should be stored in liquid nitrogen (vapors). Thawed samples must be used immediately and have a finite life span in culture. Avoid repeated freeze-thaw cycles!

Long-term

Storage: - 169°C to -196°C (liquid or vapor stage nitrogen, LN2, is a must)

Thawing: Thawing protocol included. Other protocols are available upon request.

Usage: **FOR LABORATORY RESEARCH USE ONLY! Not intended for direct therapeutic or diagnostic use in humans or animals, or for use in in vitro diagnostic procedures!**

Sample Identification

And Characterization*:

Appendix to PDS will be attached for sample identification, and characterization results! (epbmc.immunospot.com)

Custom immune characterizations are available upon request.