



PRODUCT DATA SHEET – ePBMC® Cryopreserved Human PBMC

Catalog No.:	CTL-UP1 or CTL-CP1 or CTL-HP1 or CTL-IP1 or CTL-BCP1 or GCP1
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 were ethically collected in FDA-registered collection centers from IRB consented healthy human volunteer donors by CMNC leukapheresis procedure using COBE® Spectra or COBE® Spectra Optia aphaeresis systems following MNC collection protocol in ACD-A anticoagulant. Donor eligibility is based on a review of ICF, DHQ, physical assessment; acceptable CBC, hematology results and acceptable infectious test results (IDM testing panel).
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.
Recommendation:	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 must be stored in liquid nitrogen (vapor). Thawed samples must be used immediately and have a finite life span in culture. Avoid repeat 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 vitro diagnostic procedures!
Sample Identification and Characterization*:	Appendix to PDS attached for sample identification, demographics data, and characterization results, if applicable! (epbmc.immunospot.com). Custom immune characterizations are available upon request.

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