



## PRODUCT DATA SHEET – ePBMC® Cryopreserved Human PBMC

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<b>Catalog No.:</b>	TBD
<b>Product name:</b>	ePBMC® - Cryopreserved Human PBMC
<b>Size:</b>	≥10 million cells per vial
<b>Description:</b>	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).
<b>Biosafety:</b>	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.
<b>Performance:</b>	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.
<b>Recommendation:</b>	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)
<b>Stability and storage:</b>	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 repeat freeze-thaw cycles.
<b>Long-term Storage:</b>	-169°C to -196°C (liquid or vapor stage nitrogen, LN2, is a must)
<b>Thawing:</b>	Thawing protocol included. Other protocols are available upon request.
<b>Usage:</b>	<b>FOR LABORATORY RESEARCH USE ONLY!</b> Not intended for direct therapeutic or diagnostic use in humans or animals, or for use in vitro diagnostic procedures!
<b>Sample Identification and Characterization*:</b>	Appendix to PDS attached for sample identification, demographics data, and characterization results if applicable! ( <a href="http://epbmc.immunospot.com">epbmc.immunospot.com</a> ). Custom immune characterizations are available upon request.

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