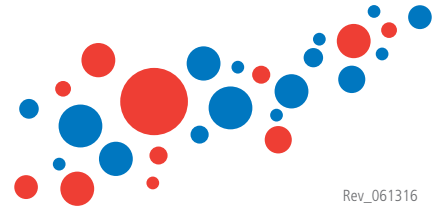




## Product Data Sheet



Rev\_061316

# ePBMC<sup>®</sup>

## Characterized Cryopreserved Human PBMC

**Catalog #:** CTL-CP1

**Lot:** \_\_\_\_\_

**Product:** ePBMC<sup>®</sup>, Characterized Cryopreserved Human PBMC

**Size:** ≥10 million viable and functional cells per vial

**Description:** Human PBMC (Peripheral Blood Mononuclear Cells) isolated from lymphopacks and cryopreserved in serum-free CTL-CryoABC™ Serum-free Freezing Media. These lymphopacks were ethically collected by lymphapheresis, include no risk of breach of privacy, and are from healthy donors who tested negative for: HBsAg, HBcAb, HCV, HTLV I/II and STS by serology, as well as HIV I, HCV and WNV by NAT.

**Characterized For:** Donor Age, Gender, and Ethnicity; HLA-type (low/high resolution, Class I and II genes); Intracellular cytokine responses to: IFN- $\gamma$ , Cell Phenotype (CD8, CD3, CD4). CD8 cell reactivity to IFN- $\gamma$ , 32 individual peptides of the CEF pool (CMV, EBV, Flu), 3 CEF peptide pools. CD4 cell reactivity to IFN- $\gamma$ , 6 protein antigens; Custom immune characterization available upon request.

**Performance:** T cell functionality equivalent to fresh cells. Post-thaw viability exceeds 90%.

**Applications:** PBMCs are available as positive and negative controls for T cell monitoring in ELISPOT, ELISA, cytokine bead array, tetramer/ pentamer, and cytokine capture assays or any assay that requires live PBMC.

**Recommended Test** Investigators are advised to determine optimal concentrations for individual applications.

**Concentration:** (CTL recommends of 100.000 to 1.000.000 / well depending on the analyte for ELISPOT).

**Stability and Storage:** Cryopreserved cells are shipped in dry cryoshipper or on dry ice and should be unpacked immediately upon receipt. Short-term storage (24h) 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:** -150° to -180°C (liquid or vapor stage nitrogen, LN2, is a must)

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

**For laboratory research use only. Not for use in diagnostic or therapeutic procedures.**