



Europe GmbH

PRODUCT DATA SHEET – Characterized, Cryopreserved PBMC

Catalog No.:	CTL-CP1
Product name:	Characterized Cryopreserved PBMC
Size:	>10 million cells / ~1.4-1.8 ml / vial
Description:	Human Peripheral Blood Mononuclear Cells (PBMCs) isolated from leukopaks and frozen in CTL-CryoABC™ serum-free freezing medium. These leukopaks were ethically collected from healthy donors with no risk of breaching privacy. Tested for: HBsAg, HBcAb, HTLV I/II, HCV, and STS by serology, as well as HIV I, HCV and WNV by NAT (nucleic acid testing)
Characterized for:	Donor age, ethnicity and gender HLA-type (low/high resolution, Class I and II genes) Intracellular cytokine responses to: IFN- γ , IL-2, Cell Phenotype(CD8, CD3, CD4), CD8 cell reactivity to IFN- γ , 32 individual peptides of the CEF pool (CMV, EBV, Flu), three CEF peptide pools, CD4 cell reactivity to IFN- γ , six protein antigens Custom immune characterizations available upon request
Performance:	T cell functionality by ELISPOT equivalent to fresh cells Post-thaw viability exceeds 90%
Applications:	PBMCs are suited for T cell monitoring in ELISPOT, ELISA, tetramer/pentamer, cytokine bead array, and cytokine capture assays or any assay that requires live PBMCs
Recommended test concentration:	Investigators are advised to determine optimal concentrations for individual applications. CTL recommends 300.000 / well concentration for ELISPOT
Long-term Storage:	-150 to -190 °C (Liquid or vapor phase nitrogen)
Thawing:	Thaw protocol included
Usage:	For laboratory research use only. Not intended for diagnostic use!
Characterization data: (specified by the customer)	