



PRODUCT DATA SHEET – ePBMC® Cryopreserved Human PBMC

Catalog No.: CTL-COV19-PB10

Product name: ePBMC® - Cryopreserved Human PBMC from COVID-19 Convalescent Donors

Size: ≥10 million cells/vial

Description: Human PBMC (Peripheral Blood Mononuclear Cells) isolated from leukopacks and frozen in CTL-CryoABC™ serum-free freezing medium. These leukopacks were ethically collected from healthy donors with no risk of breaching privacy; tested at collection according to current FDA requirements for allogeneic blood donations. The following screening tests have been performed: RBC Ab screen, CMV Ab (Anti-CMV IgG and IgM), Anti-HBc EIA, HBsAb EIA, Anti-HCV EIA, HIV ½ plus 0, HTLV I/II, STS by serology; as well as HIV I/HCV/HBV, West Nile Virus by NAT and Trypanosoma cruzi Ab.

Performance: T cell functionality by ELISPOT equivalent to fresh cells

Applications: PBMCs are suited 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 concentration: Investigators are advised to determine optimal cell concentrations for individual applications. CTL recommends of 100,000 to 800,000 cells / well concentration for ELISPOT

Stability and storage: Cryopreserved cells are shipped on dry ice and should be unpacked immediately upon receipt. Short-term storage of cells at -80°C is acceptable (24h), but should be minimized to ensure maximum stability. For long-term storage, cryopreserved cells should be stored in liquid nitrogen vapor. 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 (must be on vapor phase LN2)

Thawing: Thaw protocol included

Usage: **FOR 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: Please see appendix to PDS for additional data.

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|------------------|-----------|-----------|----------|----------|----------|
| Sample ID | | | x | x | x |
| LP_No. | | | | | |
| Donor No. | | | | | |
| Ethnicity | Caucasian | Caucasian | --- | --- | --- |
| Age | 50 | 48 | --- | --- | --- |
| Gender | Female | Female | --- | --- | --- |
| ABO/Rh | O/Pos | A/Pos | --- | --- | --- |

*SFC – Spot Forming Cell counts recorded at 400,000 cells per well. PBMC tested in ImmunoSpot® ELISPOT assay system.

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CTL Representative

October 14, 2021
Date