



CPI Positive Control Solution 20x (frozen, ready-to-use protein solution)

Catalog #: CTL-CPI-005, CTL-CPI-001

Lot: _____

Product: CPI Positive Control Solution (20x solution, 0.5ml; 1ml)

Formulation: Each vial contains a total of 1mg/ml, with 0.4mg of Cytomegalovirus, 0.2 of Parainfluenza, and 0.4mg of Influenza viruses per ml of buffer.

Storage: 4°C, shelf life six months or store at -20°C for up to one year

Activity: The CPI Antigen Pool stimulates antigen-specific CD4 cells to elicit a recall response from memory cells. Almost all humans have been previously exposed to one or all of the three antigens included and therefore, they elicit a recall response from a majority of individuals making this solution an ideal positive control.

Recommended Usage: The CPI Antigen Pool is recommended as the positive control for detecting antigen-specific CD4+ cells in human PBMC; for example, when performing cytokine assays for immune monitoring purposes. Assays include IFN- γ measurements by ELISPOT and intracytoplasmic cytokine staining (ICS) for accurate frequency measurements of the cytokine-producing CD4 cells; or cytokine bead arrays (CBA) and ELISA for a semi-quantitative readout.

Working solution: Stock solution is provided at 1mg/ml. Use at 1:20 dilution; 50 μ g/ml.

Sterility: Sterile filtered using a 0.22 μ m filter.

QC: Each batch is tested for optimum performance in an IFN- γ ELISPOT assay incorporating the ImmunoSpot® Platform.

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