

Maxpar[®] Fix I Buffer (5X)

Catalog#: 201065
Package Size: 50 ml
Storage: Store product at 2-8°C

Technical Information

Validation: Each lot of Maxpar Fix I Buffer is prepared in such a way as to minimize contamination with heavy elements that could interfere with mass cytometry analysis. Reagent purity is confirmed by elemental analysis using inductively coupled plasma – mass spectrometry (ICP-MS), verifying the levels of elemental constituents > 100 atomic mass units are below that which would interfere with CyTOF[®] mass cytometry assays.

Recommended Usage: Maxpar Fix I Buffer is used to fix cells prior to permeabilization for analysis of intracellular and secreted antigens by CyTOF. The Fix I Buffer is provided as a 5X stock solution, and should be used at a final concentration of 1X by either adding directly to cell culture, or by pre-diluting with PBS. Please refer to the Maxpar Cytoplasmic/Secreted Antigen and Phospho-protein Staining Protocols for specific instructions regarding usage.

Application Notes: Caution should be used with this reagent to prevent unintentional introduction of elemental contamination, which will result in high levels of background signal detection by CyTOF. This includes capping the container when not in use, and avoiding contamination from other laboratory reagents.

Caution: This solution contains formaldehyde, which is toxic and a suspected carcinogen. Contact with eyes, skin and mucous membranes should be avoided. Wear proper protective clothing and gloves.

Description

Maxpar Fix I Buffer is optimized for fixation of cells prior to permeabilization with the Maxpar Permeabilization Buffer, when performing intracellular staining of antigens located in the cytoplasm and secretory pathway, including cytokines, chemokines and growth factors. The Maxpar Fix I Buffer is formulated to provide the best possible signal to noise ratio for antigen detection by mass cytometry.

For technical support visit fluidigm.com/support

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