

Maxpar® Fix & Perm Buffer

Catalog#: 201067

Package Size: 100 ml

Storage: Store product at 2-8°C

Technical Information

Validation: Each lot of Maxpar Fix & Perm 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 & Perm Buffer is used to fix and permeabilize cells while intercalating with Maxpar Intercalator-Ir in a single step for CyTOF analysis. Please refer to the Maxpar Cell Surface Staining Protocol 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 paraformaldehyde, 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 & Perm Buffer is optimized for a single step cell fixation, permeabilization and intercalation. It also facilitates short-term storage of CyTOF stained samples prior to analysis. It contains both paraformaldehyde and a detergent (saponin). When cells are stained with Intercalator-Ir in Fix & Perm Buffer, the Intercalator-Ir will bind to cellular nucleic acid enabling identification of single nucleated cells, and distinguish them from enucleated cells and debris and cell doublets.

For technical support visit fluidigm.com/support

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