

Maxpar Cell Acquisition Solution Plus for CyTOF XT

Catalog number: 201244

Package size: 1 L (square bottle)

Storage: Store at 2–8 °C.

Application: CyTOF® XT suspension mass cytometry

Technical Information

Description: Maxpar® Cell Acquisition Solution (CAS) Plus for CyTOF XT™ is an improved high-ionic-strength solution that is used for sample preparation and sample acquisition on CyTOF XT systems.

Quality control: Each lot of CAS Plus for CyTOF XT is quality control-tested for use in suspension mass cytometry. Reagent purity is confirmed by elemental analysis using inductively coupled plasma mass spectrometry to verify the levels of elemental constituents that would interfere with CyTOF mass cytometry assays.

Recommended use: CAS Plus for CyTOF XT is intended for use in cell washing prior to sample acquisition and for extended duration sample acquisition on CyTOF XT systems. Refer to the applicable protocols below for specific usage instructions.

Important Product Notes

- The square bottle is designed specifically for installation and use on the CyTOF XT system.
- To maintain product performance, store CAS Plus for CyTOF XT at 2–8 °C when not in use on the CyTOF XT system.
- To prevent unintentional introduction of elemental contamination that may result in high levels of background signal detection by mass cytometry, make sure to cap the container when not in use and avoid contamination from other laboratory consumables and reagents.
- For best results, store a dedicated bottle of CAS Plus for CYTOF XT at 2–8 °C for cell washing prior to sample acquisition and preparation of suspension format samples on the CyTOF XT system. Store a separate dedicated bottle of CAS Plus for CYTOF XT at 2–8 °C for installation on the CyTOF XT system.

Applicable Protocols

Refer to any of the following protocols for more information:

- Sample preparation: Maxpar Cell Surface Staining with Fresh Fix Protocol (400276), Maxpar Nuclear Antigen Staining with Fresh Fix Protocol (400277), Maxpar Phosphoprotein Staining with Fresh Fix Protocol (400278), Maxpar Cytoplasmic/Secreted Antigen Staining with Fresh Fix Protocol (400279), and Cell-ID™ 20-Plex Pd Barcoding Kit User Guide (PRD023).
- Sample acquisition: CyTOF XT User Guide (FLDM-00254) and CyTOF Software v8.0 Help for CyTOF XT (FLDM-00045).

Safety

Use standard laboratory safety protocols. Read and understand the safety data sheets (SDSs) before handling chemicals. To obtain SDSs, go to fluidigm.com/sds and search for SDS-00036.

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