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Datasheet for MB-086-0500

FACS and IF Staining Buffer with FBS

Overview

Description:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) Staining Buffer with FBS - MB-086-0500
Item No.:	MB-086-0500
Size:	500 mL
Applications:	FC, IF

Product Details

Background:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) staining buffer is a diluent buffer optimized for use in flow cytometry and immunofluorescence assay of viable and/or fixed cells. FACS and IF staining, washing buffer contains 2% calf bovine serum as carrier and stabilizer to reduce non-specific binding of antibodies and fluorochrome reagents to targets cells. Metabolic inhibitors and NaN3 are also included in the flow cytometry and immunofluorescence buffer to prevent patching, capping of surface antigen and bacterial growth.
Synonyms:	Fluorescent Activated Cell Sorting (FACS), Staining buffer, Flow cytometry staining buffer, Immunofluorescence staining buffer

Target Details

Purity/Specificity:	FACS and IF Staining Buffer was aseptically filtered through a Millipore 0.22 micron filter into clean, pre-sterilized containers. The product was tested on trypticase soy agar for 24 hours, 48 hours and 72 hours and was found to be negative for bacteria.
Relevant Links:	• SDS

Application Details

Tested Applications:	FC, IF
Application Note:	Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) staining buffer is adequate for cell staining, washing and dilution in flow cytometry and immunofluorescence experiments.

Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	User Optimized
IF:	User Optimized
IHC:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 X
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	None

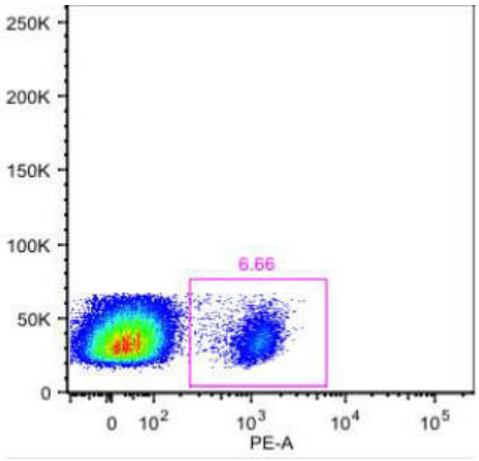
Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store container at 4° C prior to opening.
Expiration:	Expiration date is three (3) months from date of receipt.

Images



Bottle
Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) Staining Buffer with FBS



Flow Cytometry
Flow Cytometry of Mouse anti-Human CD4 Phycoerythrin conjugated antibody. Using FACs Buffer and Protocol for washing and collecting cells.

References

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- Young RE et al. Investigating the Impact of Hypoxia and Syncytialization on Lipid Nanoparticle-Mediated mRNA Delivery to Placental Cells. *bioRxiv [preprint]* (2025)
- Paladini MS et al. Fate mapping of peripherally-derived macrophages after traumatic brain injury in mice reveals a long-lasting population with a distinct transcriptomic signature. *Nat Commun.* (2025)
- Grant MT et al. Cellular trafficking and fate mapping of cells within the nervous system after in utero hematopoietic cell transplantation. *Commun Biol.* (2024)

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