

**Datasheet for MB-089-0500****FACS and IF Staining Buffer with BSA****Overview**

|                      |                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Description:</b>  | Fluorescent Activated Cell Sorting (FACS) and Immunofluorescence (IF) Staining Buffer with BSA - MB-089-0500 |
| <b>Item No.:</b>     | MB-089-0500                                                                                                  |
| <b>Size:</b>         | 500 mL                                                                                                       |
| <b>Applications:</b> | FC, IF                                                                                                       |

**Product Details**

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b> | 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 1% BSA as carrier and stabilizer to reduce non-specific binding of antibodies and fluorochrome reagents to targets cells. Metabolic inhibitors and NaN <sub>3</sub> are also included in the flow cytometry and immunofluorescence buffer to prevent patching, capping of surface antigen and bacterial growth. |
| <b>Synonyms:</b>   | Fluorescent Activated Cell Sorting (FACS), Staining buffer, Flow cytometry staining buffer, Immunofluorescence staining buffer                                                                                                                                                                                                                                                                                                                                                                                                                                         |

**Target Details**

|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | 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. |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li><a href="#">MB-089 SDS</a></li></ul>                                                                                                                                                                                      |

**Application Details**

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

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

## Formulation

|                        |                           |
|------------------------|---------------------------|
| <b>Physical State:</b> | Liquid (sterile filtered) |
| <b>Concentration:</b>  | 1X                        |
| <b>Preservative:</b>   | 0.1% (w/v) Sodium Azide   |
| <b>Stabilizer:</b>     | None                      |

## Shipping & Handling

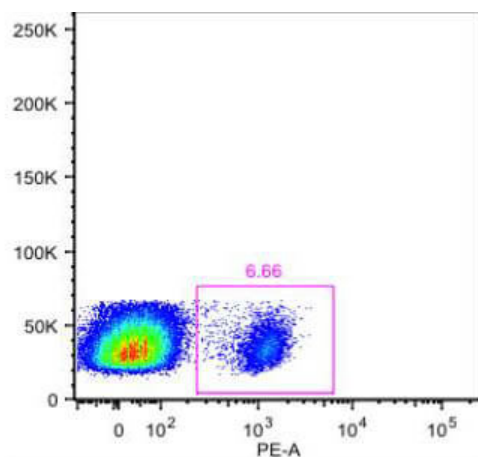
|                            |                                                           |
|----------------------------|-----------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                   |
| <b>Storage Condition:</b>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

## Images



### Bottle

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



### Flow Cytometry

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

## References

- Ung M et al. A multimodal atlas for immunotherapeutic targeting of AML surface heterogeneity. *iScience*. (2026)
- Young RE et al. Investigating the impact of hypoxia and syncytialization on lipid nanoparticle-mediated mRNA delivery to placental cells. *Bioeng Transl Med*. (2026)
- Lind NA et al. Selective degradation of pathogenic autoantibodies by lysosomal targeting chimeras for the treatment of myasthenia gravis. *medRxiv*. (2025)
- Young RE et al. Investigating the Impact of Hypoxia and Syncytialization on Lipid Nanoparticle-Mediated mRNA Delivery to Placental Cells. *bioRxiv [preprint]* (2025)
- Chokkalla AK et al. Loss of Epitranscriptomic Modification N6-Methyladenosine (m6A) Reader YTHDF1 Exacerbates Ischemic Brain Injury in a Sexually Dimorphic Manner. *Transl Stroke Res*. (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)

## Disclaimer

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