

# Cell Staining Buffer

**Catalog No.:** K079

**Size:** 100mL/200mL/500mL

## Kit components:

Reagents	100mL	200mL	500mL	Storage
Cell Staining Buffer	100mL	200mL	500mL	2-8°C

## Storage:

2-8°C for 12 months

## Introduction:

Cell Staining Buffer, a buffer optimized for sample preparation of flow cytometry (FCM), can be used in fluorescent antibody dilution and cell sample washes.

This product contains bovine serum albumin (BSA) as carrier protein to reduce non-specific binding of fluorescent antibodies. Experiments showed that addition of BSA can also reduce damage to cells during sample preparation and retain more cells for analysis.

This product contains EDTA as a chelating reagent for metallic ions which promote cell to cell adhesion. Addition of modest amount of EDTA can boost the ratio of singlets in FCM analysis.

This product contains preservative to prevent bacterial contamination at a safe dosage to make sure that the impact on cells can be negligible.

## Instructions:

This product is provided as 1×working buffer. It can be added directly into tubes containing cell pellets to resuspend.

## Assay Protocol:

1. Single cell suspensions are centrifuged at 300 g for 5 min, discard the supernatant.
2. Add desired amount of Cell Staining Buffer with a pipettor to resuspend the cell pellets. For common analysis,  $10^6$  cells are resuspended with 100  $\mu$ L buffer, i.e. with a cell density of  $10^7$  cells/mL.

## Note:

1. For your safety and health, please wear the lab coat and disposable gloves before the experiments.
2. This reagent is for research use only.