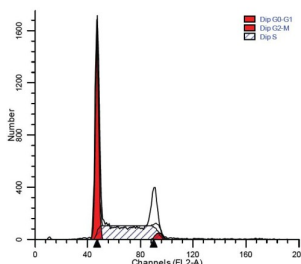


PI / RNase Staining Buffer

Catalogue No.: abx090619



Flow cytometry analysis of Jurkat cells fixed with cold 70% ethanol. Cells were washed twice with cold PBS and stained with 0.5 ml abx090619 PI / RNase Staining Buffer for 30 minutes at room temperature before analysis.

Propidium iodide (PI) is an intercalating agent and a fluorescent molecule with a molecular mass of 668.4 Da that can be used to stain cells. When excited with 488 nm wavelength light, it fluoresces red. PI binds to both DNA and RNA; the latter can be removed by digestion with ribonucleases. The content of DNA, as determined by flow cytometry, can reveal useful information about the cell cycle and the proteins involved in the regulation of the cell cycle. This reagent may be used to analyze the cell cycle by flow cytometry in addition to use with antibodies for examining the expression of proteins during the cell cycle.

Tested Applications: FCM

Recommended dilutions: FCM: 0.5 ml/test (10^6 cells). Dilution is not necessary.

Form: Liquid

Storage: Store undiluted at 4 °C. Avoid exposure to light. Do not freeze.

Buffer: Contains PBS, pH 7.2, 0.09% NaN₃.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use: After adding the PI / RNase Staining Buffer, incubate at room temperature for 30 minutes before analysis.