

Product Name: 5(6)-CFDA,SE

Catalog Number: RA20016

Basic Information

Product Name	5(6)-CFDA, SE
Size	5mg
Storage	-20 °C, protected from light
Shipping	Shipped with ice pack
Validity	12 months

Experimental steps (recommended steps for live cell staining, which can be adjusted appropriately according to actual conditions)

Note: 5(6)-CFDA, SE reacts with amine groups, so amine-containing buffers should not be used during the experiment.

(1) Allow the solution to return to room temperature before opening the lid, and then use DMSO to prepare a 10 mM 5(6)-CFDA, SE stock solution. Use PBS or an appropriate buffer to dilute the solution to a 0.5-25 μ M 5(6)-CFDA, SE working solution (the diluted working solution should be used promptly).

Note: If staining is performed for a longer period of time or the cells divide rapidly, a working concentration of 5-10 μ M is recommended, otherwise a working concentration of 0.5-5 μ M is recommended. The optimal working concentration varies from cell to cell, and it is recommended to explore within a range.

(2) The cells were collected by centrifugation and resuspended in 5(6)-CFDA, SE working solution preheated at 37°C.

(3) Incubate the cells at 37°C for 15-30 min.

(4) Wash the cells twice with PBS or appropriate buffer and observe the cells using flow cytometry (FL1/BL1 channel) or fluorescence microscopy. The following steps are optional (fixation and permeabilization can be performed if antibody labeling is required later):

(5) Fixation: Use 3.7% paraformaldehyde for 15 min at room temperature.

(6) Permeabilization. Permeabilize in ice-cold acetone for 10 min. After fixation and permeabilization, cells need to be washed with PBS.

5(6)-CFDA, SE Excitation/Emission Wavelength: 490-500 / 517-520 nm

Note: This reagent is for scientific research use only!