CREATIVE BIOMART®
Assay Kit

Fluo-4, AM Calcium Ion Concentration Assay Kit

Product Information

Product Overview

The Fluo-4, AM Calcium Ion Concentration Assay Kit enables sensitive detection of intracellular Ca²⁺ dynamics in live cells. Fluo-4 AM is a cell-permeable fluorescent dye that exhibits a strong increase in fluorescence intensity upon binding calcium, allowing real-time monitoring of calcium signaling using fluorescence microscopy, flow cytometry, or microplate readers. This kit is well suited for studies of cell signaling, ion channel activity, and receptor activation.

Size

200t

Storage

Store at -20 °C, protected from light. Shelf life: 1 year.

Technical Notes

20% Pluronic F127 stored at 2–8 °C tends to become viscous and may solidify, making it difficult to pipette. It is recommended to melt completely in a 37 °C water bath for 5–10 minutes. After centrifuging at 1000 × g for 1–5 minutes at room temperature, it can be used normally.

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