CREATIVE BIOMART®
Assay Kit

Calcium Quantification Assay kit (Fluorometric)

Product Information

Cat.No. Kit-0141

Product Overview

The kit provides a simple method for detecting calcium in physiology solutions by using our proprietary red fluorescence probe. The fluorescence signal can be easily read by a fluorescence microplate reader at Ex/Em540/590 nm. The kit can be performed in a convenient 96-well or 384-well microtiter-plate format and easily adapted to automation without a separation step. The assay can be completed within 30 minutes. With ab112115, we have detected as little as 0.03 mM calcium. The kit has a broad dynamic range (30 μM to 1 mM).

Size

200 tests

Description

This product is intended to be used in vitro with solution-based samples such as cell extracts. If you would like to detect calcium in vivo using live cells, please check our Fluo-8, Rhod-4 or Fura-2 based assays.

Applications

Functional Studies more details

Storage

Store at -20°C.

Kit Components

Components: 200 tests; 300 mM Calcium Standard: 1 x 0.5ml; Assay Buffer: 1 x 10ml; Rhod Red Indicator: 2 vials

Compatible Sample Types

Cell culture extracts

Assay time

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0h 30m
Sensitivity
0.03 mM

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