



## Calcium Quantification Assay kit (Fluorometric)

### Product Information

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#### Cat.No.

Kit-0141

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#### Product Overview

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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  $\mu$ M to 1 mM).

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#### Size

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200 tests

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#### Description

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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.

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#### Applications

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Functional Studies more details

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#### Storage

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Store at -20°C.

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#### Kit Components

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

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#### Compatible Sample Types

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Cell culture extracts

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CREATIVE **BIOMART**<sup>®</sup>  
Assay Kit

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**Assay time**

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0h 30m

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**Sensitivity**

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0.03 mM

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