

CASPASE-3/7 Assay Kit

Cat #: orb429518 (manual)

Description: CASPASE-3/7 Assay Kit

Name: CASPASE-3/7

Format: FAM (Green Fluorescence)

Product Type: Kits

Quantity: 25 TESTS

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	■			
Immunofluorescence	■			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FAM	494	520

Product Information

The Caspase 3 & 7 kit uses a quick and easy method to analyze active caspases in apoptotic cells.

Test Principle

Caspase FLICA kits measure apoptosis by detecting active caspases in whole, living cells. These kits do not work by using antibodies or as an ELISA. Instead, their methodology is based on a unique cell-permeable and non-cytotoxic reagent called the Fluorochrome Inhibitor of Caspases (FLICA). The FLICA reagent contains a caspase inhibitor sequence linked to a green (Carboxyfluorescein, FAM) fluorescent probe.

The caspase FLICA kits are suitable for cells in suspension and adherent cells from many species including mammalian, insect and yeast. Different cell types, e.g. HeLa, primary neurons, macrophages and lymphocytes have also been successfully studied with these kits.

This kit can be used with a flow cytometer, fluorescence microscope or a fluorescence plate reader using black microtiter plates.

Reagents In the Kit

1 vial of FAM-DEVD-FMK FLICA Reagent - lyophilized

10x Apoptosis Wash Buffer, 15 mL

Fixative, 6 mL

Propidium Iodide, 1 mL

Hoechst 33342, 1 mL.

Storage

Store the unopened kit and each unopened component at +4°C until the expiration date. Once reconstituted with DMSO, use FLICA reagent immediately, or store at -20°C for 6 months protected from light and thawed no more than twice during that time.

Guarantee

Guaranteed until date of expiry.

Regulatory

For research purposes only.