

Phosphatidylserine Apoptosis Kit (Green Fluorescence 405)

Cat. No. Kit-0744 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Phosphatidylserine Apoptosis Kit (Green Fluorescence 405) is a fluorescent assay used to monitor cell apoptosis by measuring the translocation of phosphatidylserine.
Description	Annexins are a family of calcium-dependent phospholipid-binding proteins. They are abundant in eukaryotic organisms belonging to a family of ubiquitous cytoplasmic proteins involved in signal transduction. Annexin V's preferential binding partner is phosphatidylserine (PS), which is usually kept on the inner-leaflet (the cytosolic side) of cell membranes. In apoptosis, PS is transferred to the outer leaflet of the plasma membrane. The appearance of phosphatidylserine on the cell surface is a universal indicator of the initial/intermediate stages of cell apoptosis and can be detected before morphological changes can be observed.
Applications	This kit is a set of tools for monitoring cellular functions, which are designed to monitor cell apoptosis through measuring the translocation of phosphatidylserine.
Usage	For research use only (RUO)
Storage	Keep at 4 °C and avoid exposure to light.
Kit Components	Component A: Apopxin Violet 500 (100X stock solution) 200 µL Component B: Assay Buffer 50 mL Component C: 100X Propidium Iodide 100 µL
Detection method	Fluorometric
Compatible Sample	Cells

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Types**Features & Benefits**

Non-Radioactive: No special requirements for waste treatment. Convenient: All essential assay components are included. Optimized Performance: Provide optimal conditions for detecting the translocation of phosphatidylserine. Enhanced Value: Less expensive than the sum of individual components.

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