

7-AAD Reagent (100 μ g/mL)

Catalog No.: K115

Size: 50T/100T/200T/500T

Storage: The kit should be stored at 2-8°C away from light for one year

Kit components:

Item	50T	100T	200T	500T
7-AAD Reagent (100 μ g/mL)	250 μ L	500 μ L	1mL	1.25mL*2

CAS No.: 7240-37-1

Dyeing position: Nucleus

Application

7-AAD (7-aminoactinomycin D), is a far-infrared fluorescent probe that can stain nucleic acids. 7-AAD is similar to propidium iodide (PI). It is a non-cell membrane permeable fluorescent dye. It cannot permeate biologically active cell membranes. It can only stain necrotic cells that have lost cell membrane integrity or be fixed and permeable. The treated cells are often used for fluorescent staining to distinguish necrotic cells or for broad-spectrum staining after fixation and permeabilization. Different from propidium iodide (PI), after 7-AAD is excited by 546 nm argon ion laser, its emission spectrum is narrower than PI, and its emission wavelength is longer and in the far infrared region, which has less interference to other detection channels, It is an ideal substitute for PI in multiple fluorescent staining.

Precautions for Use

1. Detect apoptosis as soon as possible after staining to avoid the increase number of apoptosis or necrosis.
2. This product is irritating, please be careful when handling it and avoid direct contact with the human body or inhalation.
3. Avoid extended exposure of the samples to direct light to protect the fluorophores from quenching.
4. This product is for research use only.
5. For your safety and health, please wear lab coats and disposable gloves for operation and follow the procedures of laboratory reagent operation.