

DAPI Reagent (25 μ g/mL)

Catalog No.: K117

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
DAPI Reagent (25 μ g/mL)	250 μ L	500 μ L	1mL	1.25mL*2

CAS No.: 28718-90-3

Dyeing position: Nucleus

Ex/Em: 410/450nm

Channel set: Pacific Blue

Application

DAPI (4',6-Diamidino-2-Phenylindole) is a staining solution suitable for staining the nucleus of all common cells and tissues. It can be directly used to stain the nucleus of fixed cells or tissues. DAPI is a blue fluorescent dye that can penetrate cell membranes. When combined with double-stranded DNA, it can produce fluorescence that is more than 20 times stronger than DAPI itself. Compared with EB (ethidium bromide), the staining sensitivity of double-stranded DNA is many times higher.

DAPI staining is often used for cell apoptosis detection. After staining, it is observed with a fluorescence microscope or detected by flow cytometry. DAPI is also commonly used for general nuclear staining and doublestranded DNA staining under certain conditions.

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.