

DAPI Reagent (25µg/mL)

Cat. No: E-CK-A163

Size: 50 Tests/100 Tests/200 Tests

Cat.	Products	50 Tests	100 Tests	200 Tests	Storage
E-CK-A163	DAPI Reagent (25µg/mL)	125 µL × 2	500 µL	500 µL × 2	2-8°C/-20°C, shading light

General Information

Product Form	Liquid
Concentration	25 µg/mL
CAS No.	28718-90-3
Molecular formula	C ₁₆ H ₁₅ N ₅ ·2HCl
Dyeing position	Nucleus
Sensibility	Sensitive to light.
Storage	2~8°C/-20°C, shading light. Avoid freeze / thaw cycles.
Expiration date	12 months.

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 double-stranded DNA staining under certain conditions.

Notes

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

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