

Antifade mounting medium (with DAPI)

Product Number: S110110

Shipping and Storage

Wet ice transport; Store at -20°C away from light for 12 months.

Component

Component	S110110
Antifade mounting medium (with DAPI)	25mL

Description

Anti-fade Mounting Medium (with DAPI) is a DAPI-containing water-based tablet sealing reagent used to preserve the fluorescence of tissues and cells. The tablet sealing agent can not only prevent the

rapid photobleaching of various common fluorescent dyes, but also complete the DAPI staining of the nucleus at the same time. DAPI is 4', 6-diaminyl-2-phenylindole, is a blue fluorescent dye that can penetrate the cell membrane, it is mainly used to fix the staining of cells, and can produce more than 20 times stronger fluorescence than DAPI itself after combining with double-stranded DNA, without binding to single-stranded DNA. The excitation wavelength of DAPI dye is 340 nm, the emission wavelength is 488 nm, and the excitation wavelength is 364 nm and the emission wavelength is 454 nm after combining with double-stranded DNA.

This product contains DAPI, which can be used to complete nuclear staining and sealing at the same time. Just drop a drop of this product on the sample with the pipette gun during sealing and cover the cover glass to complete the operation.

Protocol

1. Fixed cell slides, cell smears or tissue sections, etc., are cleaned after staining;
2. After the slices are slightly dried, put a drop of anti-fade Mounting Medium (with DAPI) on the sample, gently cover the cover glass to avoid bubbles;
3. The tissue sections can then be observed under a fluorescence microscope.

Note

1. Fluorescent substances are prone to quenching. In the case of anti-fade Mounting Medium (with DAPI).
2. The fluorescence duration can be prolonged and the fluorescence quenching can be slowed down. However, the slide after mounting should be stored at 4°C and protected from light. It is recommended to use dark slide box. And take pictures as soon as possible.
3. When removing from -20°C storage, handle with care and avoid vigorous shaking, as this may cause bubbles to form.
4. DAPI is irritating to the human body. For your health and safety, please wear a lab coat and disposable gloves when operating.