

Antifade Mounting Medium with PI

Introduction

Antifade Mounting Medium with PI is a ready-to-use mounting solution containing the red-fluorescent nuclear dye PI. This dual-purpose reagent not only minimizes photobleaching in immunofluorescence experiments but also enables simultaneous nuclear staining during the mounting step.

Simply apply one drop to the sample and cover with a coverslip. At a typical volume of 50 μ L per sample, the 25 mL package is sufficient for approximately 500 tests.

Storage

Store at -20°C protected from light, stable for 1 year.

Protocol

1. For adherent cells

- 1) After staining, aspirate the liquid. Permeabilization and RNase A treatment (to reduce RNA interference) are optional steps based on experimental needs.
- 2) Place a drop of Antifade Mounting Medium with PI onto a glass slide, and carefully lower the cell-bearing coverslip onto the drop, ensuring contact between the cells and the mounting medium. Be careful to avoid bubbles as much as possible.
- 3) The sample is now ready for observation under a fluorescence microscope. PI is detected at Ex/Em = 535/615 nm.

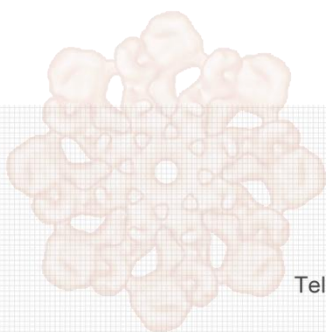
2. For tissue sections

- 1) After staining, aspirate the liquid.
- 2) Apply a drop of Antifade Mounting Medium with PI directly onto the tissue section, and gently place a coverslip on top. Ensure the section is in contact with the mounting medium. Be careful to avoid bubbles as much as possible.
- 3) The sample is now ready for observation under a fluorescence microscope. PI is detected at Ex/Em = 535/615 nm.

***Note:** For other sample types, refer to the procedure for cells or tissue sections.

■ Note

1. Although this product reduces photobleaching, it is still recommended to store mounted samples protected from light.
2. PI is an irritant. Take appropriate precautions when handling.
3. For your safety and health, please wear lab coats and gloves during the experiment.
4. For research use only. Not to be used in clinical diagnostic or clinical trials.



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