

Abbexa Ltd, Innovation Centre, Cambridge Science Park, Cambridge, CB4 0EY, UK
Telephone: +44 (0) 1223 755950 - Fax: +44 (0) 1223 755951 - E-Mail: info@abbexa.com

Anti-Fade Mounting Medium (With PI)

Catalogue No.: abx090691

Anti-Fade Mounting Medium (With PI) is a glycerol-based mounting medium containing an anti-fluorescence quenching reagent. It can be used to seal tissue or cell slides for fluorescence-related applications. After mounting, slides can be observed for several weeks without drying out or requiring sealing. This medium can help prolong fluorescence and maximise fluorescence intensity, and assist with antigen-antibody binding.

This medium is compatible with a wide range of fluorophores and fluorescent proteins, such as blue fluorescent protein, FITC, Cy2, Cy3, Cy5, Cy7, DAPI, rhodamine, Texas Red, AMCA, R6G, Hoechst 33258, Alexa Fluor (AF), and more.

This medium contains Propidium Iodide (PI), an intercalating agent that can be used to stain cells. It can be used as a DNA stain for flow cytometry, evaluating cell viability, determining DNA content in different stages in the cell cycle, differentiating between necrotic, apoptotic and normal cells, and visualising the nucleus and other DNA-containing organelles. When PI is bound to nucleic acids, the fluorescence excitation maximum is 535 nm and the emission maximum is 617 nm.

Target: Anti-Fade Mounting Medium (With PI)

Tested Applications: IF/ICC

Storage: Store at 2°C to 8°C for up to one year.

Directions for use: Protocol

1. Bring all reagents to room temperature before use.
2. Use a pipette to remove excess liquid on the sample slide. Allow the slide to air dry slightly.
3. Add 20 µl of Anti-Fade Mounting Medium on to the sample on the slide, or add an appropriate volume of Anti-Fade Mounting Medium in to the cell culture wells directly.
4. Place a coverslip on the slide. Take care to avoid bubble formation.
5. Observe under a fluorescence microscope. The coverslipped slide can be stored in the dark at 4 °C or at -20 °C for up to 3 weeks without fluorescence fading.

Notes:

- Coverslips which contain Anti-Fade Mounting Medium must be stored in the dark.
- This medium can help to slow down the rate of quenching, but does not eliminate it. It is therefore recommended to observe the slide and capture images as soon as possible.
- Wear Personal Protective Equipment (PPE), such as lab coats, lab glasses and gloves, when using this product.

Note: This product is for research use only.