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DATASHEET

MightyMount™ Antifade Fluorescence Mounting Medium with Propidium Iodide (hardset)

Product overview

Name MightyMount™ Antifade Fluorescence Mounting Medium with Propidium Iodide (hardset)
Cat No HB7033
Biological description **Overview**

MightyMount™ Antifade Fluorescence Mounting Medium with propidium iodide (hardset) is an ideal formulation for prevention of photobleaching of fluorescent proteins and dyes during fluorescent imaging. It is easy to use with an ideal refractive index and provides effective prevention of photobleaching. This formulation contains propidium iodide which is a widely used red-fluorescent intercalating agent that binds and labels nucleic acids.

Applications: IHC(IF), ICC, Cellular imaging, Super-resolution microscopy
Mounting: Aqueous (hardset) - cures in approximately 1 hour at room temperature
Antifade: Yes
Counterstain: Propidium Iodide
Refractive index: ≈1.45 (initial) which then increases to ≈1.518 once cured

Other Mounting Media Products

We supply a full range of mounting media for a range of experimental needs:

Hardset:

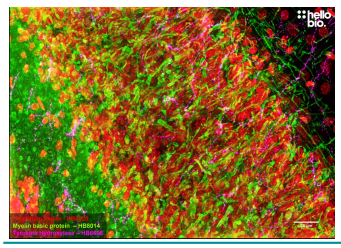
- HB6966 - MightyMountTM Antifade Fluorescence Mounting Medium (hardset)
- HB8459 - MightyMount™ Antifade Fluorescence Mounting Medium with DAPI (hardset)
- HB7508 - MightyMount™ Antifade Fluorescence Mounting Medium with Phalloidin-TRITC (hardset)

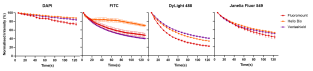
Aqueous:

- HB9854 - MightyMount™ Antifade Fluorescence Mounting Medium (aqueous)
- HB7618 - MightyMount™ Antifade Fluorescence Mounting Medium with DAPI (aqueous)
- HB8761 - MightyMount™ Antifade Fluorescence Mounting Medium with Propidium Iodide (aqueous)
- HB9417 - MightyMount™ Antifade Fluorescence Mounting Medium with Phalloidin-TRITC (aqueous)

Applications ICC, IF, IHC(IF)
Description Antifade fluorescence hard-set mounting medium with propidium iodide for use in IHC(IF) and ICC.

Images





Biological Data

Application notes

Protocol for use of mounting media

Store solution at 4°C in the dark for optimal preservation of fluorescence.

IHC(IF)

1. Mount sections onto subbed or charged microscope slides and air dry (in the dark) until sections are moist but all excess liquid has evaporated
2. Add a few drops of mounting media around the sections (around 50µl but this will depend on the number and thickness of sections) and slowly lower the coverslip from one end of the slide to the other being careful to avoid creating any bubbles.
3. Wrap slides in foil to prevent light exposure then allow the media to cure at 4°C overnight before imaging. If more rapid imaging is needed it is possible to accelerate the curing process by incubating slides at either room temperature or 37°C for ≈1 hour.

For more information on IHC(IF) including tips on how to mount sections, please see our IHC(IF) protocol

ICC

1. Add a drop of mounting medium (Around 5µl for a 10mm and 15µl for a 22mm coverslip) to a standard microscope slide.
2. Briefly rinse the coverslip in dH_2O before placing face down into the drop of mounting medium being careful not to introduce bubbles.
3. Wrap slides in foil to prevent light exposure then allow the media to cure at 4°C overnight before imaging. If more rapid imaging is needed it is possible to accelerate the curing process by incubating slides at either room temperature or 37°C for ≈1 hour.

For more information on ICC please see our ICC protocol

Solubility & Handling

Storage instructions	+4°C or -20°C long-term. Protect from light.
Storage buffer	Contains 0.05% sodium azide
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.