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## DATASHEET

### MightyMount™ Antifade Fluorescence Mounting Medium (hardset)

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#### Product overview

**Name** MightyMount™ Antifade Fluorescence Mounting Medium (hardset)  
**Cat No** HB6966

**Biological description** **Overview**

MightyMount™ Antifade Fluorescence Mounting Medium (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.

**Applications:** IHC(IF), ICC, Cellular imaging, Super-resolution microscopy

**Mounting:** Aqueous (hardset) - cures in approximately 1 hour at room temperature

**Antifade:** Yes

**Counterstain:** None

**Refractive index:**  $\approx 1.45$  (initial) which then increases to  $\approx 1.518$  once cured

#### Other Mounting Media Products

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

Hardset:

- HB8459 - MightyMount™ Antifade Fluorescence Mounting Medium with DAPI (hardset)
- HB7033 - MightyMount™ Antifade Fluorescence Mounting Medium with Propidium Iodide (hardset)
- HB7508 - MightyMount™ Antifade Fluorescence Mounting Medium with Phalloidin-TRITC (hardset)

Aqueous:

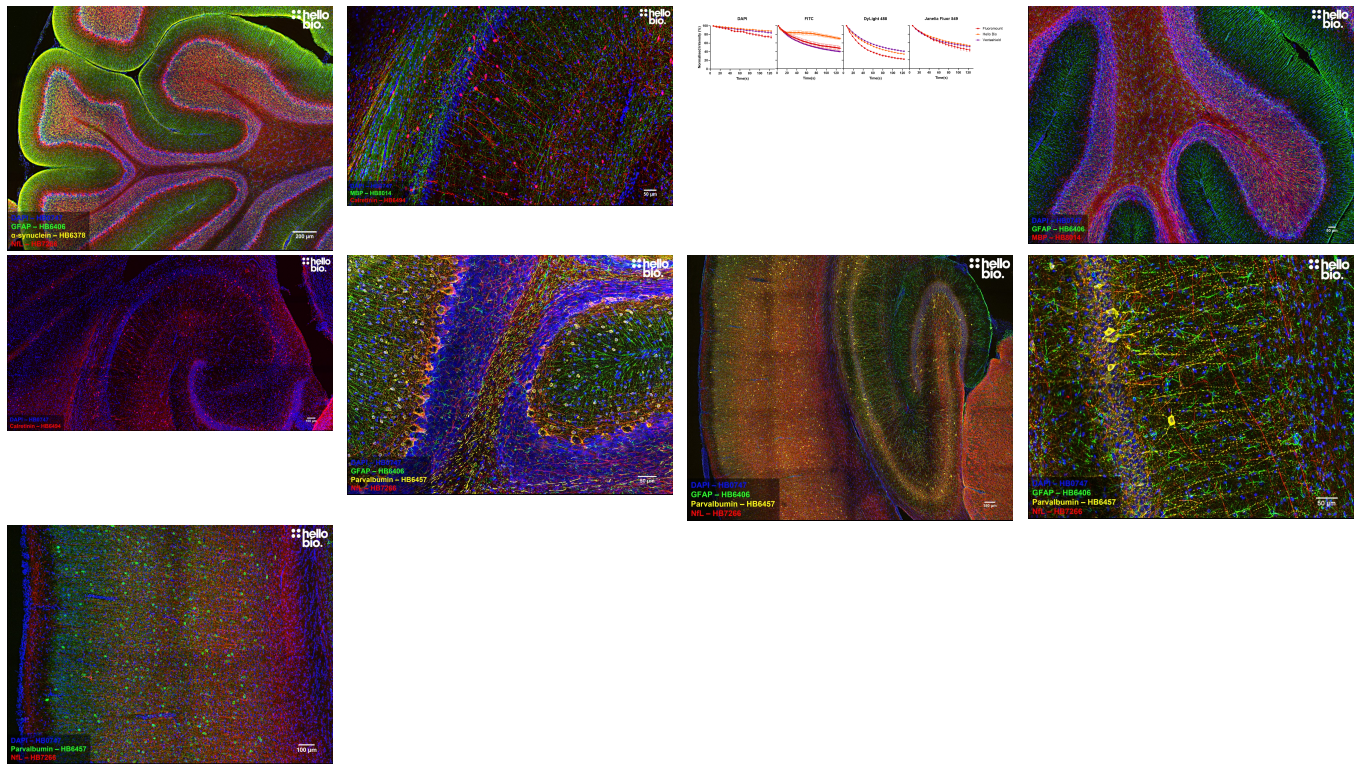
- HB9854 - MightyMount™ Antifade Fluorescence Mounting Medium (aqueous)
- HB7618 - MightyMount™ Antifade Fluorescence Mounting Medium with DAPI (aqueous)
- HB8761 - MightyMount™ Antifade Fluorescence Mounting Medium with Propidium Iodide (aqueous)
- HB9417 - MightyMount™ Antifade Fluorescence Mounting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

**Applications**  
**Description**

ICC, IF, IHC(IF)  
Antifade fluorescence hard-set mounting medium for use in IHC(IF) and ICC.

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#### Images



## Biological Data

### Application notes

**Protocol for use of mounting media** Once mounted, store slides 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<sub>2</sub>O 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. Protect from light.

### Storage buffer

Contains 0.05% sodium azide

**Storage instructions**

+4 °C. Protect from light.

**Storage of solutions**

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

**Shipping Conditions  
Important**

Stable for **ambient temperature** shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

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