

ANTIFADE MOUNTING MEDIUM HARD SET

The **Antifade Medium Media Hard Set** manufactured by **Immunological Sciences** help researchers to complete workflows and achieve signal retention for image acquisition and specimen archiving. Our Antifade is an important tool for immunofluorescence, for visualizing proteins expressed directly within tissues with excellent protection against photobleaching of fluorescent dyes.

Color and Form: Light yellow to clear solution.

Product Description

Antifade Mounting Medium Hard Set is an anti-fade mountant for preserving fluorescence during microscopy.

Antifade Mounting Medium Hard Set prevents rapid photobleaching of fluorescein, rhodamine, and cyanine based dyes and is optimally formulated for use with CF dyes conjugates and **Alexa Fluor Conj** .

The mounted sample can be visualized immediately if desired although the hardset mounted solidifies completely after 24 hours. The mounting medium has an initial refractive index of 1.38, which increases to 1.42 after 24 hours of curing, and 1.46 after 4 days.

Unlike Vectashield, Anifade mounting media is compatible with Cy dyes and Alexa Fluor dyes such as Cy2 and Cy5. Please note : Antifade Mounting Medium Hard Set may not be compatible with all fluorescent proteins or dyes and test sections are recommended to ensure compatibility with uncommon fluorochromes.

- **ELIMINATES THE NEED OF SEAL COVERSIP EDGES**

Antifade Mounting Medium Hard Set cures to form a hard, permanent seal with the coverslip, eliminating the need to seal coverslip edges with nail polish or other sealants, maintaining fluorescence.

- **FOR NUCLEAR COUNTERSTAINING (version with DAPI)**

Antifade Mounting Medium Hart Set with **DAPI** allows **blue fluorescent** nuclear counterstaining without an additional staining step.

Cat.n.	Description	Size	Highlights	Price
AF-1800-HS	Antifade Mounting Medium Hard	10 mL	<i>offers a permanent seal - No sealants are required</i>	€ 230
AF-1900-HS	Antifade Mounting Medium Hard Set with DAPI	10 mL	<i>(for Nuclear Counterstaining)</i>	€ 250

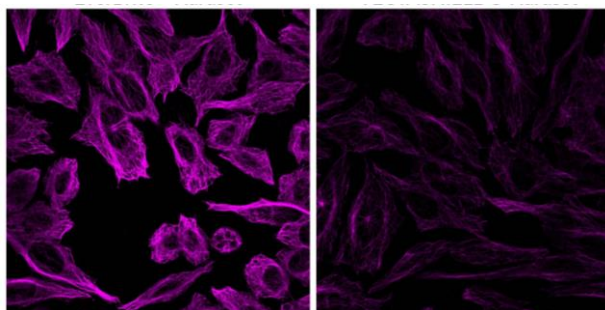


Fig.1 Antifade Mounting Medium Hard Set Fig.2 Vectashield Hardset

COMPARISON OF CY5® FLUORESCENCE IN DIFFERENT MOUNTING MEDIA

Unlike VECTASHIELD® Hardset, Antifade Mounting Medium Hardset does not quench the fluorescence of cyanine-based dyes. Methanol-fixed HeLa cells on coverslips were stained with mouse anti-tubulin antibody followed by Cy®5 goat anti-mouse secondary antibody. Coverslips were mounted using the indicated medium, cured according to the manufacturer's instructions, and then imaged by confocal microscopy. Suitable for cyanine-based dyes include Cy®3, Alexa Fluor® 555, Alexa Fluor® 647, CF®555, CF®647, CF®660C, and CF®680.

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Working Instructions:

- 1) To mount tissue sections or cells on a slide, dispense approximately **20 - 25 uL** of solution for a 22 x 22 mm coverslip. If coverslip is larger and if necessary, dispense more volume to cover the sample, we suggest a larger volume from 35-50 uL with a transfer pipette directly onto the tissue section and then lay the coverslip on top. Then coverslip and allow Antifade Mounting Medium Hard Set to spread over the entire section.
- 2) Applying an excess of mounting medium is not recommended. Excess mounting medium can be carefully aspirated or blotted away.
- 3) **Slides can be viewed immediately** after mounting, but the coverslip will not be secured in place, so care must be taken to avoid movement of the coverslip.
- 4) To cure the mounting medium to form a permanent hard seal, **incubate slides overnight** at room temperature on a flat surface protected from light.

Cured slides can be stored at 4°C protected from light for a year or longer.

Coverslips can be removed from cured slides by soaking **the slide in PBS** or similar buffers in a slide staining jar. Soak the slides for 2,5/3 hours and gently slide the coverslip off (do not pry the coverslip upwards) dipping the slide frequently in buffer to prevent friction between the coverslip and specimen.

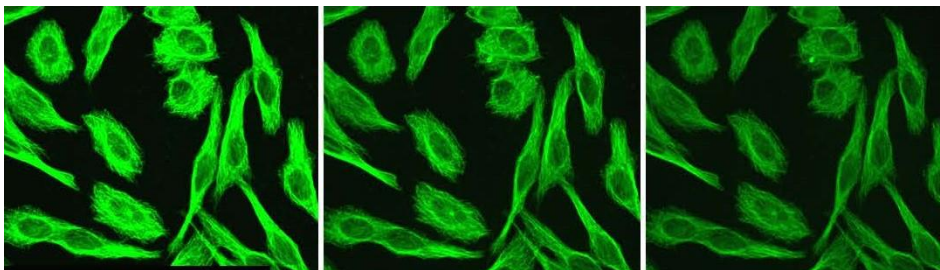


Fig. 3 Antifade mounting media FITC photostability in hardset mounting medium (coverslips) on confocal, laser 50%, gain 550 Brightness

Storage and Handling

Store at 4°C and protect from light. Store in an upright position and tightly cap after each use.

Stability: Product is stable for at least **12 months** from the date it is received when stored as recommended.

For Research use only

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