TECHNICAL DATA SHEET



Product Name: AD-MOUNT F+DAPI (Universal)

Product Type: Non-hardening fluorescence mounting medium with nuclear counterstain

Catalogue Numbers: ADM-003 (1.5 ml), ADM-003-5 (5 × 1.5 ml)

Intended Use: Research Use Only (RUO)

Description

AD-MOUNT F+DAPI is a non-hardening, universal mounting medium optimized for fluorescence microscopy. This ready-to-use solution provides reliable signal stabilization across a wide spectrum of fluorophores and fluorescent proteins. It contains DAPI (4',6-diamidino-2-phenylindole) for immediate DNA staining, allowing for fast and convenient visualization of cell nuclei. The medium minimizes photobleaching and fading, while preserving sample morphology and structural integrity—especially in delicate or 3D samples.

Key Features

- Contains DAPI: Provides nuclear counterstaining for DNA visualization in fixed samples.
- Universal Compatibility: Compatible with most fluorophores and fluorescent proteins, including FITC, Alexa Fluor® dyes, GFP, mCherry, Cy3, and Cy5.
- Ready-to-Use Format: Supplied in liquid form—no dilution or mixing required.
- Tissue-Friendly Performance: Maintains 3D structure and minimizes sample flattening or compression. Ideal with mounting spacers.
- Spacer-Compatible: Designed for use with AD-SEAL mounting spacers for thick or fragile specimens such as oocytes, organoids, and early embryos.
- Fixation Compatibility: Compatible with formaldehyde and methanol-fixed samples. No known incompatibilities.
- Microscopy Modes: Suitable for widefield and confocal fluorescence microscopy.

Specifications

Parameter	Value
Form	Liquid
Refractive Index	1.45
Storage Temperature	+4 °C
Shelf Life	See expiration date on vial
Stability After Opening	Up to 12 months at +4 °C

Note: AD-MOUNT F is produced under stable pH conditions appropriate for fluorescence imaging.

Handling and Safety

- Do not freeze.
- Protect from light exposure.
- For laboratory use only. Not for diagnostic or therapeutic purposes.

Manufacturer

AD-MOUNT F was developed by ADVI in collaboration with the Institute of Molecular Genetics of the Czech Academy of Sciences.

ADVI, s.r.o.

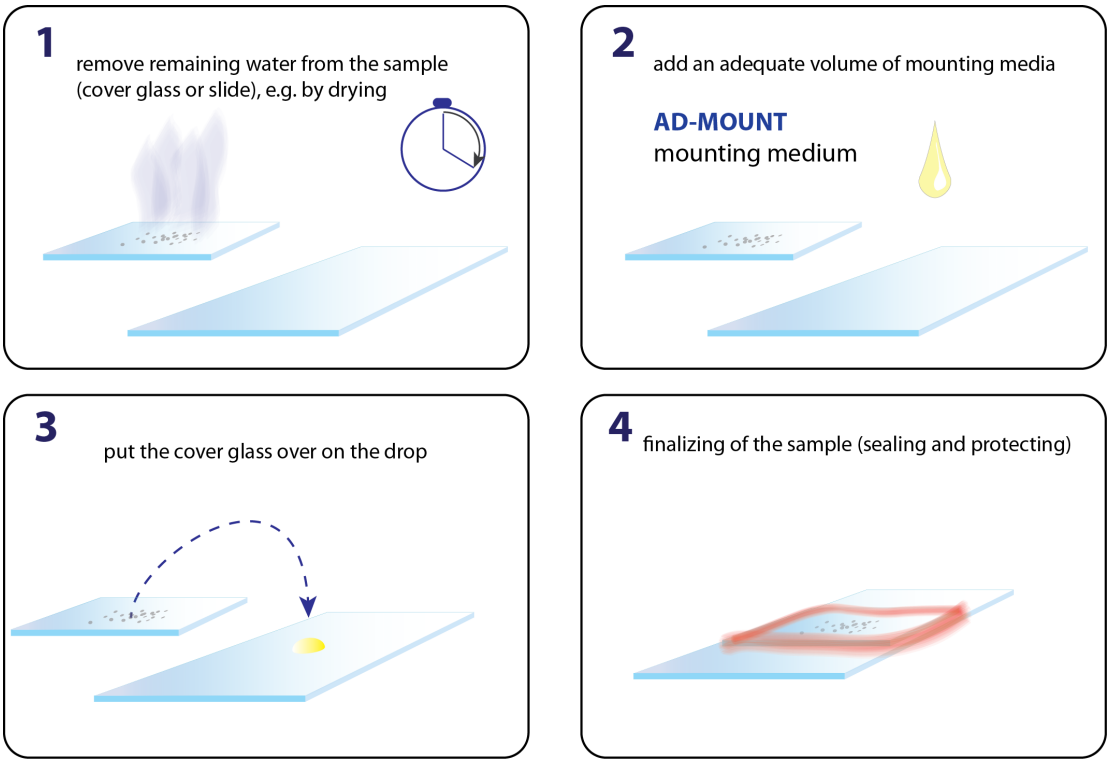
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General Optimized Procedure:

1. **Sample Preparation:** After completing the sample preparation process (fixation and staining), ensure to remove any remaining water from the sample. It's crucial to note that residual water can cause refractive index mismatches, resulting in significant spherical aberrations.
2. **Determining AD-MOUNT Volume:** Determine the appropriate volume of AD-MOUNT F to use. For direct mounting without spacers, use 1 µl per 60 mm² of coverslip. For a standard 18 mm square coverslip, this equates to approximately 5 µl of mounting medium. If using AD-SEAL spacers, the required volume will depend on the thickness of the spacers.
3. **Application of AD-MOUNT F:** Apply the determined volume of AD-MOUNT F onto the coverslip and mount it directly onto the microscopic slide glass.
4. **Additional Sealing:** If AD-SEAL spacers aren't being used, additional sealing is necessary to fix and protect the cover glass on the slide.

Following these steps will help ensure the best possible results when using AD-MOUNT F. Always handle AD-MOUNT F and all associated materials with care to prevent damage and maintain the integrity of your samples.

Please remember to adapt this procedure based on your actual product's specifications and intended uses.



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https://www.advi-web.com/en/category/advi-edu/washing-mounting/