ADVI, s.r.o.

Voděradská 2552/16, Říčany, CZ-25101
VAT ID: CZ17104505
web: advi-web.cz
email: sales@advi-web.cz

PRODUCT DATASHEET

AD-MOUNT STABLE

Non-hardening mounting medium for fluorescence microscopy, excellent stability.
For research use only.
Ready-to-use.

AD-MOUNT S is a non-hardening mounting medium for fluorescence microscopy that provides excellent stability. The medium is ready-to-use and optimized for stabilizing the signal of synthetic fluorescence dyes. It reduces photo-bleaching and fluorescence fading and preserves the shape of biological structures while minimizing flattening effects.

The mounting medium can be used in combination with **AD-SEAL** spacers of appropriate thickness to mount large, fragile objects like oocytes, organoids, or early embryos.

The medium is containing nPG (n-Propyl Gallate) and therefore is NOT suitable for samples expressing fluorescent proteins. While this medium is effective at stabilizing fluorescence from synthetic fluorescent dyes, it is not suitable for samples expressing fluorescent proteins such as EGFP, as the fluorescence signal is lost.

Reagent volume: 1.5 ml (*Cat. No.: ADM-005*), 7.5 ml (*Cat. No.: ADM-006*)

Form: Liquid

Storage instructions: Store at +4°C. Do not freeze

Period After Opening (PAO): 12 months

AD-MOUNT S *was developed in a collaboration between ADVI, s.r.o. and the Institute of Molecular Genetics of the Czech Academy of Sciences.*

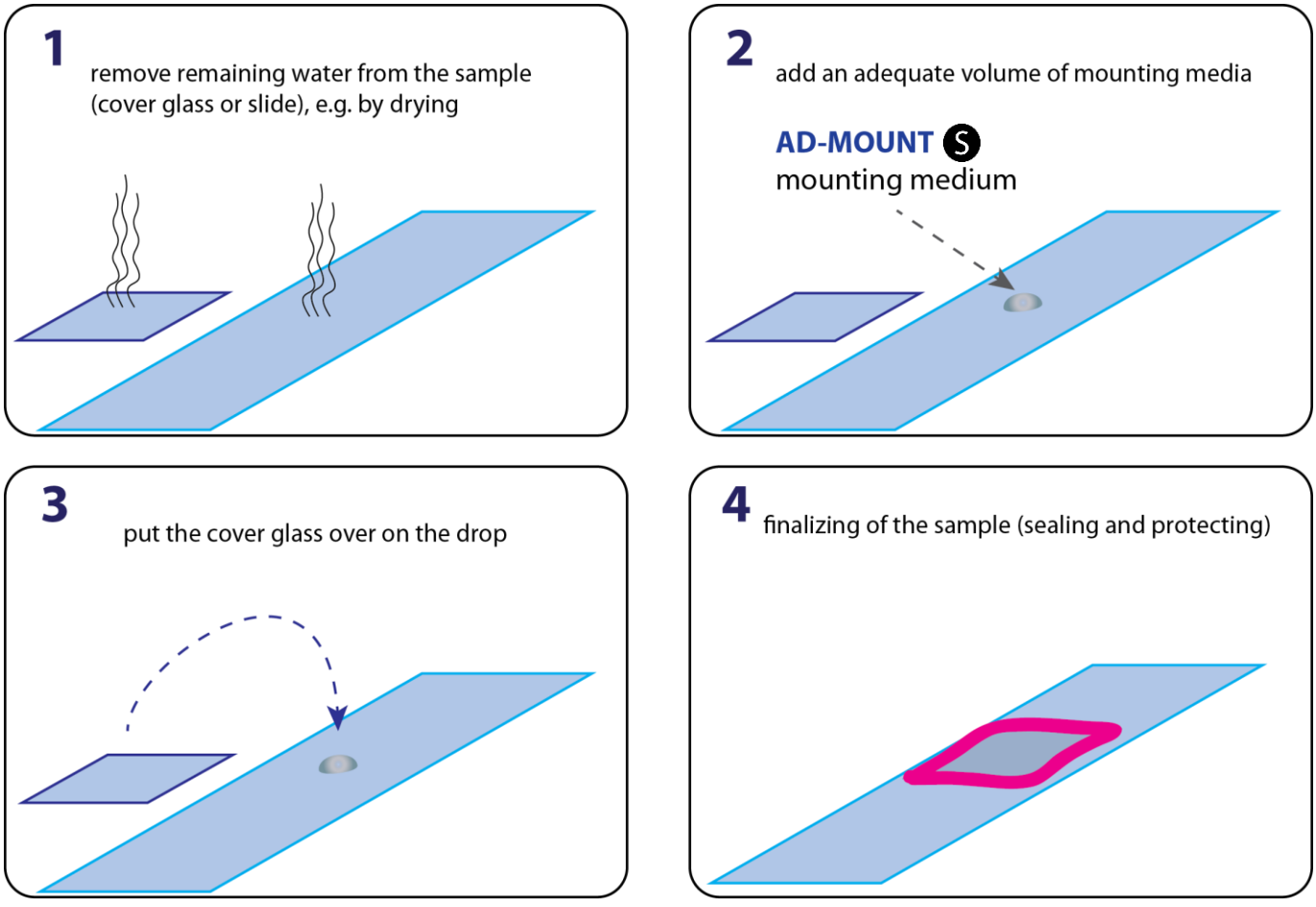
Optimized Procedure:

1. After completing the sample preparation process (fixation and staining), remove any remaining water from the sample. It is important to note that residual water can cause refractive index mismatches that result in serious spherical aberrations.

2. Determine the appropriate volume of **AD-MOUNT** to use. For direct mounting without spacers, use 1 ul per 60 mm2 of coverslip. For a standard 18 mm square coverslip, this would be approximately 5 ul of mounting medium. If using spacers, the required volume will depend on the thickness of the spacers.

3. Place the determined volume of **AD-MOUNT** onto the coverslip and mount it directly onto the microscopic slide glass.

4. If you do not use the **AD-SEAL** spacers, it is necessary then to fix and protect the coverglass on the slide by additional sealing.



Note: This procedure is a general recommendation and may need to be optimized for individual laboratory procedures.