

Fluorescent Mounting Medium with DAPI(4,6-diamidino-2-phenylindole) and & PG (Propyl Gallate)

 Storage: 2-8 °C
 Protect from Light

 Catalog No.: E40-18 18mL
 E40-100 100mL
Description:

Fluoroshield with DAPI is an aqueous mounting medium for preserving fluorescence of tissue and cell smears. This unique formula prevents rapid photobleaching of FITC, Texas Red, AMCA, Cy2, Cy3, Cy5, Alexa fluoro 488, Alexa fluoro 594, Green fluorescent protein (GFP), tetramethyl rhodamine, Redox. Phycoerythrin (RP-E), Phycocyanin (PC), and Allophycocyanin (APC). Fluorescence is retained during prolonged storage at 4°C in the dark. This medium does not contain phenylenediamine, which destroys immunofluorescence of Cy dyes, RP-E, PC and APC.

This mounting medium is fortified with DAPI which is a counter-stain for DNA. This product is to be used *in situ* hybridization techniques or other methods where fluorescence of DNA staining is required. DAPI excites at 360nm and emits at 460nm, producing a **blue** fluorescence. RNA is also stained with DAPI.

Intended Use:

Immunofluorescence, confocal microscopy.

Kit Component:

Catalog No.	Fluorescent Mounting Medium with PPD
E40-18	18mL
E40-100	100mL

Recommended Protocol:

1. Bring the vial to room temperature.
2. Rinse slide with **DISTILLED OR DEIONIZED WATER**, touch the edges of slide on a paper towel to remove excess water. Place slides on a flat surface away from light.
3. Turn the vial upside down and open the dropper to remove any air bubbles.
4. Apply 3-4 drops of mounting medium directly on top of the specimen and spread out evenly by tilting back and forth or spread evenly with a 0.2 ml plastic pipette tip making sure the tissue is not touched. Excess medium can be removed by touching the edges of the slide on a paper towel.
5. Let stand at room temperature for about 5 minutes.
6. Apply coverslip, carefully avoiding air bubbles.
7. The specimen is ready for visualization under a microscope.
8. One can seal the edges of the cover slip with nail polish, any organic mounting medium or our O-mount. If a coverslip is not used, air bubbles will appear in few days.
9. The fluorescent mounting medium helps to preserve fluorescence for longer period if the slide is stored in the dark at 2-8°C.

Removal of Coverslip: *Coverslip can be removed before sealing the edges. Soak slide in warm (37°C) water for a few minutes. Carefully and slowly move the coverslip. Soak in water for an additional few minutes to remove coverslip. Rinse slide several times with warm water to remove all mounting medium. The slide can be remounted again.*

Storage: 2-8°C, Protect from light, DO NOT FREEZE.

Remarks:

For research use only. Not for diagnostic or therapeutic use. Follow good laboratory practice to handle the procedure.