

Technical Data Sheet

EMS Immuno Mount™ with Para Phenylenediamine (PPD) anti-fading agent

#17989-80, 17989-81

Description

Immuno Fluoro Mount with strong antifading agent, 1, 4-phenylenediamine (PPD) is an aqueous mounting medium for preserving fluorescence of tissue and cell smears. This unique formula prevents rapid photobleaching of FITC, Texas Red, AMCA, Alexa fluoro 488, Alexa fluoro 594, tetramethyl rhodamine, and Redox. The fluorescence is retained during prolonged storage at 4°C in the dark.

This medium contains phenylenediamine and is not suitable for immunofluorescence of Cy dyes, Phycoerythrin (R-PE), phyocyanin (PC), and allophycocyanin (APC).

Intended Use

Immunofluorescence, confocal microscopy

Reagent

Ready to use mounting medium with dark coffee color. This color does not interfere with Immunofluorescence.

Refractive Index

1.400 ± 0.002 (These numbers apply to these mounting mediums in solution. Refractive indexes change when the water solvent evaporates and mounting media dries on slides. We do not have the means to measure the refractive indexes of dry mounting mediums; however, we expect the numbers to go higher when dried. The refractive index of water is 1.3330.)

Storage

2-8°C, DO NOT FREEZE

Procedure

1. Bring the vial to room temperature.
2. Rinse slide to be mounted with distilled or deionized water; touch the edges of slide on a paper towel to remove excess water. Place slides on a flat surface.
3. Turn the vial upside down and open the dropper to remove any air bubbles. Apply 2-3 drops of mounting medium and apply coverslip carefully without getting air bubbles.
4. The specimen is ready for visualization under a microscope.
5. The coverslip may move, so it may be necessary to seal the edges of cover slip with nail polish or any organic medium.
6. Method for applying Coverslip: Put 1-2 drops of Mounting medium on the specimen. After 3-4 minutes apply coverslip carefully avoiding air bubbles. Put Kimwipes on the top of coverslip, press gently to remove excess mounting medium. With 200 micropipette add organic mounting medium to seal the deges. Incubate at 37°C for one hour in the dark to dry organic mounting medium.
7. Store slide at 2-8°C in the dark.
8. Removal of Coverslip: Coverslip can be removed before sealing the edges. Soak slide in warm (37°C) distilled or deionized water for several 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 mounted again.