

Technical Data Sheet

EMS Shield Mount with DABCO™

#17985-150, 17985-200

Description

EMS Shield Mount with antifading agent 1, 4-Diazobicyclo-(2,2,2-octane (DABCO™) is an aqueous non-permanent, low viscosity mounting medium for immunofluorescence. 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 and Redox. The fluorescence is retained during storage at 4°C in the dark. This medium does not contain phenylenediamine, which destroys immunofluorescence of Cy dyes. 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

Applications

Immunofluorescence, confocal microscopy.

Reagent

Ready to use mounting medium for Immunofluorescence.

Instructions For Use

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.
4. Apply 2-3 drops of mounting medium and apply coverslip carefully without getting air bubbles.
5. The specimen is ready for visualization under a microscope.
6. The coverslip may move, so it may be necessary to seal the edges of cover slip with nail polish, any organic medium or our Limonene mounting medium (cat. #17987-01).
7. Store slide at 2-8°C in the dark.

Handling And Storage

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

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 remounted again.