

# Technical Data Sheet

## EMS Glycerol Mounting Medium with DAPI and DABCO™

#17989-60, 17989-61

### Description

Glycerol with DAPI and DABCO™ 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. Fluorescence is retained during prolonged storage at 4°C in the dark. 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. Glycerol with antifading agent 1, 4-Diazobicyclo-(2,2,2-octane (DABCO™) is an aqueous mounting medium for preserving fluorescence of tissue and cell smears. This unique formula prevents rapid photobleaching of fluorochromes. The fluorescence is retained during prolonged storage at 4°C in the dark.

**Not recommended for phycoethyrin (PE), phycocyanin (PC) and allophycocyanin (APC).**

### Intended Use

Immunofluorescence, confocal microscopy

### Reagent

Ready to use mounting medium with anti-fading agent

### Refractive Index

1.4617

### Storage

2-8°C is recommended, Protect from light

### Procedure

**Dehydration of specimen is not required.**

1. Bring the vial to room temperature.
2. Turn the vial upside down and open the dropper to remove any air bubbles.
3. Apply 1-2 drops of mounting medium directly; cover slip carefully avoiding air bubbles.
4. The specimen is ready for visualization under a microscope.
5. One can 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 edges.
7. For storage it is recommended that the slide be stored in the dark at 2-8°C.