

# Technical Data Sheet

## FLUORO-Gel III Mounting Medium With Propidium Iodide (PI)

#17985-60, 17985-61

### Description

FluoroGel III mounting medium with PI 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), Phyocyanin (PC), and Allophycocyanin (APC). The 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 PI which is a counter-stain for DNA. This product is to be used in in situ hybridization techniques or other methods where fluorescence of DNA staining is required. PI excites at 535nm and emits at 615nm, producing a red fluorescence. RNA is also stained with PI.

### Applications

Immunofluorescence, confocal microscopy.

### Reagent

Ready to use mounting medium.

### 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 away from light.
3. Turn the vial upside down and remove any air bubbles.
4. Apply 3-4 drops directly of mounting medium on top of the specimen and spread out evenly by tilting the slide 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 slide on paper towel.
5. Let stand at room temperature for about 5 minutes.
6. Apply cover slip, carefully avoiding air bubbles.
7. The specimen is ready for visualization under microscope.
8. One can seal the edges of cover slip with nail polish or any organic medium or our Limonene mounting medium (cat. # [17987-01](#)). If coverslip is not sealed air bubbles will appear in few days.
9. For long term storage it is recommended that the slide be stored in the dark at 2-8°C.

### 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.