

## FluoroQuest™ Anti-fading Mounting Medium with DAPI

Catalog number: 20005  
Unit size: 20 mL

Component	Storage	Amount
FluoroQuest™ Mounting Medium with DAPI	Refrigerated (2-8 °C), Minimize light exposure	20 mL

### OVERVIEW

FluoroQuest™ with DAPI is an aqueous mounting medium for preserving fluorescence of tissue and cell smears. This mounting medium contains anti-fading agents to reduce the dye photobleaching rate, and is fortified with DAPI which is a counterstain for DNA. For use in in situ hybridization techniques or other methods where fluorescence of DNA staining is required. DAPI excites at 360 nm and emits at 460 nm, producing a blue fluorescence. RNA is also stained with DAPI.

### AT A GLANCE

#### Important

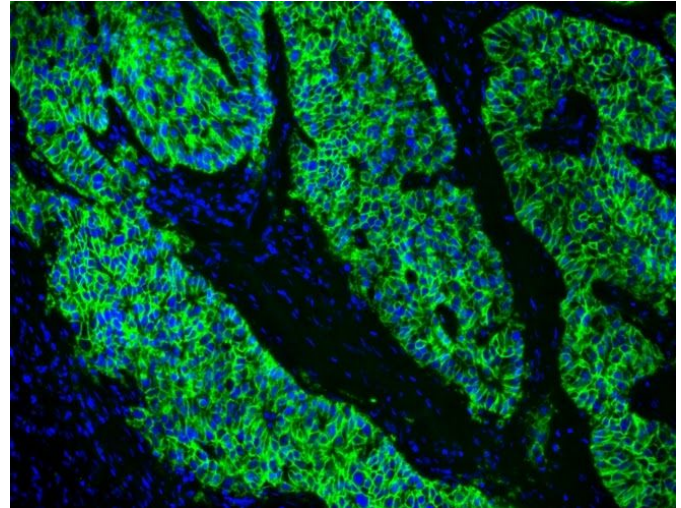
Expiration date is 6 months from the date of receipt.

### SAMPLE EXPERIMENTAL PROTOCOL

Following is our recommended protocol that only provides a guideline. It should be modified according to your specific needs.

- Warm up the mounting solution:** Remove the mounting solution from refrigerator. Warm the bottle to room temperature, protected from light.
- Apply the mounting solution:** Remove any excess liquid from your specimen. Add a small drop of the mounting solution to the specimen. If the sample is on a slide or tissue culture dish, carefully place a coverslip on the drop, avoiding air bubbles. If the sample is on a coverslip, invert the coverslip on a clean glass slide. Remove any excess anti-fading component.
- Prepare samples for imaging:** The mounting solution should be incubated for 2 hours to overnight. For long-term storage, seal the coverslip to the slide with nail polish or a plastic sealant. Mounted slides should be stored at 4 °C in the dark for optimum sample longevity. The fluorescence imaging would remain stable for many weeks. Samples can be imaged immediately after mounting.

### EXAMPLE DATA ANALYSIS AND FIGURES



**Figure 1. Fluorescence IHC of formaldehyde-fixed, paraffin-embedded Human lung adenocarcinoma positive tissue.** Human lung adenocarcinoma positive tissue sections were stained with rabbit anti-EpCam antibody and then incubated with polyHRP-labeled Goat anti-Rabbit IgG secondary antibody followed by iFluor™ 488 Styramide™ (Cat#45020) stain respectively. The tissue was mounted in FluoroQuest™ Anti-fading Mounting Medium with DAPI (cat#20005).

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