

# Fluoro Care Anti-Fade Mountant

Mounting Medium  
901-FP001-062023



Available Product Formats	
Catalog Number	Volume
FP001G5	5.0 mL

## Intended Use:

For Research Use Only

Fluoro Care Anti-Fade Mountant is a liquid-based, anti-fade mounting medium intended for the preservation of slides stained using fluorescent methods.

## Summary & Explanation:

Fluoro Care is used for tissue sections stained with a variety of fluorescent dyes. Mounting mediums are used to help hold a specimen in place while imaging to prevent samples from drying out. Mounting is the last step in the series of histological preparation of a slide.

## Known Applications:

FISH (formalin-fixed paraffin-embedded tissues), cryostat sections, and cell culture preparation.

## Supplied As:

Liquid permanent mounting medium. See Safety Data Sheet for additional details.

## Reconstitution, Mixing, Dilution, Titration:

The Fluoro Care Anti-Fade Mountant reagent is ready to use with Empire FISH probes and ancillary reagents. No reconstitution, mixing, dilution, or titration is required.

## Materials and Methods:

### Reagents Provided:

Kit Catalog No.	Component Catalog No.	Component Description	Quantity x Volume
FP001G5	FP001G5	Fluoro Care Anti-Fade Mountant	1 x 5 mL

\* Refer to the Empire Genomics website located at <http://empiregenomics.com> for information regarding catalog numbers and ordering.

## Storage and Stability:

Store at or below -20°C. The reagent is stable to the expiration date printed on the vial label when stored under these conditions. Do not use after expiration date. Storage under any condition other than those specified must be verified. The reagent(s) are ready-to-use and should not be diluted.

## Instructions for Use:

1. Remove Fluoro Care Mountant from  $\leq -20^{\circ}\text{C}$  and let come to room temperature before use.
2. Dry slides at  $37^{\circ}\text{C}$  for 5-10 minutes to remove water.
3. Place all slides to be mounted on a horizontal surface and apply 1-2 drops of Fluoro Care Mounting Media to the tissue sections.
4. Place an appropriately sized coverslip over sections and let mounting media dry. Slides can be viewed immediately; however, it may take 24 hours for the mounting media to fully harden.
5. Slides mounted with Fluoro Care Mountant should be stored at  $2-8^{\circ}\text{C}$  in a slide box and protected from light.
6. Store Fluoro Care Mounting Media at  $\leq -20^{\circ}\text{C}$  when not in use.

## Instructions for Use Cont'd:

Note: Microscopic air bubbles may be found after applying Fluoro Care Mountant Media. Take care not to introduce air bubbles into the media before applying.

## Technical Notes:

1. pH 7.4 at  $20^{\circ}\text{C}$
2. Fluoro Care Mountant reagent is useful for long-term storage of slides; however, optimal performance of this material requires curing.
3. The refractive index increases as the mountant cures.
4. For long-term storage of slides use nail polish to secure the coverslip on slide.

## Technical Support:

Contact Empire Technical Support at +1.800.715.5880 for questions regarding this product.

## Limitations:

### General Limitations:

1. For Research Use Only
2. Do not use with Quantum Dots.

## Quality Control:

Refer to CLSI Quality Standards for Design and Implementation of Immunohistochemistry Assays; Approved Guideline-Second edition (I/LA28-A2) CLSI Wayne, PA USA ([www.clsi.org](http://www.clsi.org)). 2011

## Warning and Precautions:

1. Kit reagent(s) contain less than 0.1% sodium azide. Concentrations less than 0.1% are not reportable hazardous materials according to U.S. 29 CFR 1910.1200, OSHA Hazard communication and EC Directive 91/155/EC. Sodium azide ( $\text{NaN}_3$ ) used as a preservative is toxic if ingested. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Upon disposal, flush with large volumes of water to prevent azide build-up in plumbing. (Center for Disease Control, 1976, National Institute of Occupational Safety and Health, 1976)<sup>1</sup>
2. Kit reagents contain less than 0.05% ProClin 300 and/or less than 1% ProClin 950. Wear gloves and protective clothing and take reasonable precautions when handling ProClin is classified as an irritant and may cause skin contact sensitization. Avoid contact with eyes, skin, and mucous membranes.
3. Handle materials of human or animal origin as potentially biohazardous and dispose of such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.<sup>2,3</sup>
4. Microbial contamination of reagents may have an effect on its use.
5. Do not use reagent after the expiration date printed on the vial.
6. Follow local and/or state authority requirements for method of disposal.
7. Refer to the reagent safety datasheet (SDS) prior to use. Reagents may demonstrate unexpected reactions in previously untested procedures. The SDS is available upon request and is located at <http://empiregenomics.com>.
8. Report any serious incidents related to this reagent by contacting the local Empire representative and the applicable local, state, or governmental agencies.



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### References:

1. Center for Disease Control Manual. Guide: Safety Management, NO. CDC-22, Atlanta, GA. April 30, 1976 "Decontamination of Laboratory Sink Drains to Remove Azide Salts.
2. Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
3. Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.
4. Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.

