

# **Aqueous Mount**

Reference: AP12011



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## **INTENDED USE AND PRESENTATION:**

For research use only.

**AP12011**, 30 mL (Ready to use)

## **SUMMARY, EXPLANATION AND LIMITATIONS:**

Aqueous Mount is an aqueous mounting medium for histological and cytological preparations. It is especially suitable for mounting of tissue sections stained with alcohol-soluble chromogenic substrates such as Fast Red or AEC. Even sections stained with alcohol-resistant chromogenic substrates can be mounted with Aqueous Mount if they were not previously dehydrated.

Immunohistochemistry is a complex technique involving both histological and immunological detection methods. It requires a highly trained histotechnologist. Tissue processing and handling prior to immunostaining, for example variations in fixation and embedding or the inherent nature of the tissue can cause inconsistent results (Nadji and Morales, 1983). Inadequate counterstaining and mounting can influence the interpretation of the results.

## **APPLICATIONS:**

Aqueous Mount can be used as mounting media onto the stained histological or cytological section.

The interpretation of the stain results is the full responsibility of the user. Any experimental result must be confirmed by a medically established diagnostic product or procedure.

## **REAGENT PROVIDED:**

30 ml **Aqueous Mount** (ready-to-use).

## **METHOD AND PROCEDURE:**

**Principle of the method:** The IHC as technique to demonstrate the presence of an antigen in tissues and cells, is a sequential procedure of several steps: the application of antibody specific for the antigen of interest (primary antibody), the detection and visualization of bound antibody by one of a variety of enzyme chromogenic systems and washing steps. The chromogenic enzyme activation results in a visible product at the site where the antigen is located. The results can be evaluated in a light microscope. TRIS/HCl Buffer is a concentrated TRIS solution containing HCl.

**Specimen:** Formalin-fixed paraffin-embedded tissue section.

**Procedure:** Apply a sufficient amount of Aqueous Mount onto the stained histological or cytological section; depending on the size of section 2 to 5 drops. Cover with a coverslip. Heating of the mounted section for hardening is not necessary.

Coverslips can be removed by soaking the section over night in water.

See our web site at [www.gennova-europe.com](http://www.gennova-europe.com) for detailed protocols ancillary reagents and support products.

## **REQUIRED MATERIALS BUT NOT SUPPLIED:**

All reagents, materials, and laboratory equipment for IHC procedures are not provided with this product. This includes

primary antibodies, adhesive slides and cover slips, positive and negative control tissues, Xylene or adequate substitute, ethanol, distilled H<sub>2</sub>O, heat pretreatment equipment (pressure cooker, steamer, microwave), pipettes, Coplin jars, glass jars, moist chamber, histological baths, negative control reagents, counter-staining solution, mounting materials, and microscope.

Antibodies, buffered solutions for antigen retrieval, enzyme treatments, others highly sensitive detection systems, and other auxiliary reagents are available from Genova Scientific.

## **STORAGE AND STABILITY:**

The solution should be stored at room temperature in the original container without further dilution. Please store the reagent in a dark place and do not freeze it. Do not use after the expiration date. If the product is stored under different conditions from those stipulated in these technical indications, the new conditions must be verified by the user.

Genova Scientific guarantees that the product will maintain all of the described characteristics from the production date until the expiration date, as long as the product is stored and used as recommended. No other guarantees are provided. Under no circumstances is Genova Scientific obliged to cover damages caused by use of this reagent.

## **TROUBLESHOOTING:**

If you observe unusual staining or other deviations from the expected results please read these instructions carefully, contact Genova Scientific's technical support or your local distributor. Also refer to the instructions of the detection systems for guidance on general troubleshooting.

## **PRECAUTIONS:**

Use by qualified personnel only.

Wear protective clothing to avoid contact of reagents or specimen with eye, skin or mucous membrane. In case of a reagent or specimen coming into contact with a sensitive area, wash the area with large amounts of water. In case of swallowing rinse the mouth excessively with large amounts of water and turn to a doctor. A material safety data sheet (MSDS) is available upon request.

## **PERFORMANCE CHARACTERISTICS:**

Genova Scientific has conducted studies to evaluate the performance of the kit reagents. The product has been found to be suitable for the intended use.

## **BIBLIOGRAPHY:**

Shi Elias JM "Immunohistopathology – A practical Approach to Diagnosis" ASCP Press 2003  
Omata M et al. Am J Clin Pathol 73(5): 626-32, 1980  
Nadji M, Morales AR. Immunoperoxidase, part 1: the techniques and its pitfall. Lab Med 1983; 14:767-770.

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Catalog number



Batch code



Research use only



Temperature limitation



Expiration date



Manufacturer



See instruction for use



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