

DATA SHEET

SuperMount® Permanent Aqueous Mounting Medium

Cat. Nos. HK079-5K, HK079-7K & HK079-9K

Doc. No. HK079, Rev. No. G
Date of Release: 11-Sep-2024

Reagents Supplied

One of the following:

HK079-5K (15 ml)	SuperMount® Permanent Aqueous Mounting Medium
HK079-7K (50 ml)	SuperMount® Permanent Aqueous Mounting Medium
HK079-9K (100ml)	SuperMount® Permanent Aqueous Mounting Medium

Storage

Store at room temperature. This product can be stored at temperatures as low as 4°C, but should be brought to room temperature before use.

Intended Use

These products are General Purpose Reagents, suitable for diagnostic histopathology, laboratory and research use.

Introduction

SuperMount® (U.S. Patent No. 5,492,837) is a universal mounting medium. It is suitable for slide-mounting of all biological specimens for microscopic evaluation and indefinite storage.

Specifically designed to meet the mounting needs of the histology laboratory, this permanent, aqueous-based mounting medium is compatible with most aqueous and organic-soluble dyes and chromogens, and its customized refractive index yields greater transparency and clarity of specimens to be examined under the microscope.

When applied in a thin coat and allowed to harden, SuperMount® forms a transparent coating that permanently preserves stained tissue sections for long-term storage; the stained sections can then be directly examined under a microscope or stored indefinitely. If desired, a coverslip can also be applied, without the need

for dehydrating or clearing in alcohol or xylene, by using PermMount® or other resinous organic-based media.

Description

SuperMount® is compatible with most chromogens commonly used in immunohistochemistry and *in situ* hybridization including AEC, DAB, Fast Red, New Fuchsin, and BCIP/NBT. SuperMount® is also compatible with specimens stained with fluorescent dyes, including rhodamine, fluorescein, Texas Red, and even with phycoerythrin and its related derivatives such as phycocyanin and allophycocyanin. SuperMount® can also be used for the mounting of special stain such as Fat Stain. Oil Red O. (Note: SuperMount® is not recommended for use with Nuclear Fast Red, eosin, or Methyl Green, as color may fade during long-term storage).

SuperMount® can be used for the mounting of all biological specimens, including stained tissue sections, cytopsin preparations, and blood smears. This mounting medium can be used in laboratory settings without a fume hood.

General Purpose Reagent suitable for diagnostic histopathology, laboratory and research use.

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Purchase of this product includes permission to practice U.S. patents No. 5,492,837.

Method Of Use

1. Remove slides from deionized water and, without further drying, apply 2-4 drops of SuperMount® to the tissue or cell specimen. Tilt and rotate the slides to fully cover the tissue or cell specimen and the area surrounding the tissue.
2. Place the slides in a horizontal position and allow the tin coating of SuperMount® to harden. SuperMount® can be hardened at room temperature, or more quickly if using an oven: please consult the following schedule of suggested times and temperatures for best results, Note: Do not use oven heating when mounting fluorescent-stained specimens.

<u>Temperature</u>	<u>Time for Shell to Harden</u>
80°C	10-15 min
60°C	15-30 min
37°C	1-2 hours
Room temperature	8 hours- overnight

3. If oven is used to harden the SuperMount® coating, allow the slides to cool to room temperature. The slides are now ready for microscopic examination and storage.
 4. If desired, a coverslip can be applied onto the hardened SuperMount® surface using any adhesive agents, such as Permount or other organic-based mounting media. No dehydration or clearing of the tissue specimens is alcohol or xylene is necessary when using Permount or other organic-based mounting media. To fix the coverslip, simply add a drop of the adhesive onto the hardened SuperMount® surface and apply the coverslip.
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Removal Procedure

If desired, SuperMount® can be easily removed by immersing the slides in a Coplin jar filled with distilled water for 15-30 minutes at room temperature or 5-10 minutes at 40-60°C.
