

Mucicarmine Stain Kit

Description: Mucicarmine Stain Kit is intended for use in the histological visualization of acid mucopolysaccharides in tissue sections. This product is useful in distinguishing mucin negative undifferentiated squamous cell lesions from mucin positive adenocarcinomas. In addition, this product will stain the mucopolysaccharide capsule of Cryptococcus neoformans.

Mucin:	Pink/Red
Capsule of Cryptococcus:	Red
Nuclei:	Blue to Green
Other tissue components:	Yellow

Uses/Limitations: For In-Vitro Diagnostic use only.
Histological applications.
Do not use past expiration date.
Use caution when handling these reagents.

Control Tissue: Colon
Intestine
Bronchi Epithelial cells

Availability/Contents:

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
Hematoxylin, Mayer's (Lillie's)	125 ml	15-30°C
Bluing Reagent	125 ml	15-30°C
Mucicarmine Solution	125 ml	2-8°C
Tartrazine Solution	125 ml	15-30°C

Precautions: This product is a single-use, non-sterile, in vitro diagnostic device.
Keep away from open flame.
Avoid contact with skin and eyes.
Harmful if swallowed.
Follow all Federal, State, and local regulations regarding disposal.
Use in chemical fume hood whenever possible.

Storage: 2° C



30° C

**Mixed Storage Conditions.
Separate Contents.**



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Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. If sections are Zenker-fixed, remove mercuric chloride crystals using iodine and clear with sodium thiosulfate. Rinse in running tap water.
3. Stain slide in Hematoxylin for 2-3 minutes.
4. Rinse for 2 minutes in running tap water.
5. Apply Bluing Reagent for 10-15 seconds.
6. Rinse slide in distilled water.
7. Stain slide in Mucicarmine Solution for 10 minutes.
8. Rinse quickly in tap water followed by a quick rinse in distilled water.
9. Stain slide in Tartrazine Solution for 1 minute.
10. Rinse quickly in tap water followed by a quick rinse in distilled water.
11. Dehydrate through graded alcohols.
12. Clear, and mount in synthetic resin.

References:

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH. Pages 172-173.

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