

Mucicarmine Stain Kit (Modified Southgates's)

Description: Mucicarmine Stain Kit (Modified Southgate's) 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 <i>Cryptococcus</i> :	Red
Nuclei:	Black/Blue
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>Item #</u>	<u>Kit Contents</u>	<u>Storage Conditions</u>
HMM125	Hematoxylin, Mayer's (125 ml)	Room Temperature
BRT125	Bluing Reagent (125ml)	Room Temperature
SMG125	Mucicarmine Solution (125 ml)	2-8° Centigrade
TZQ125	Tartrazine Solution (125 ml)	Room Temperature

Precautions: 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  25° C

**Mixed Storage Conditions.
Separate Contents.**

 ScyTek Laboratories, Inc.
205 South 600 West
Logan, UT 84321
435-755-9848
U.S.A.

 Authorized Representative in Europe
 (Regulatory affairs only)
EmergoEurope (31)(0) 70 345-8570
Molsnstraat 15
2513 BH Hague, The Netherlands


P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

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 (HMM125) for 2-3 minutes.
4. Rinse for 2 minutes in running tap water.
5. Dip slide in Bluing Reagent (BRT125) for 30 seconds.
6. Rinse slide in distilled water.
7. Prepare working Mucicarmine Solution by mixing 1 part Mucicarmine (SGM125) with 2 parts distilled water. Mixed solution may be used for 30 days if stored at 2-8° C.
8. Stain slide in working Mucicarmine Solution for 30-60 minutes.
9. Rinse quickly in tap water followed by a quick rinse in distilled water.
10. Stain slide in Tartrazine Solution (TZQ125) for 1 minute.
11. Rinse quickly in tap water followed by a quick rinse in distilled water.
12. Dehydrate through graded alcohols.
13. 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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