



## Instructions For Use SMS-1-IFU

Rev. Date: April 21, 2016

Revision: 3

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 – Tel. (435) 755-9848 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)

# Mucicarmine Stain Kit (Modified Southgate's)

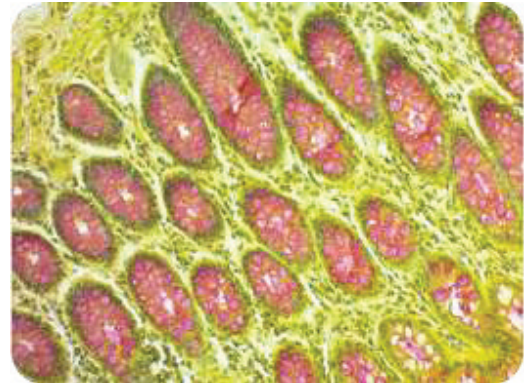
### Description:

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:	Blue to Green
Other tissue components:	Yellow

### Uses/Limitations:

Not to be taken internally.  
For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use if reagents become cloudy.  
Do not use past expiration date.  
Use caution when handling reagents.  
Non-Sterile.



### Control Tissue:

Colon  
Intestine  
Bronchi Epithelial cells

### Ordering information regarding individual components on back page!

### Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
HMM125	Hematoxylin, Mayer's	125 ml	18-25°C
BRT125	Bluing Reagent	125 ml	18-25°C
SMG125	Mucicarmine Solution	125 ml	2-8° C
TZQ125	Tartrazine Solution	125 ml	18-25°C

### Precautions:

Avoid contact with skin and eyes.  
Harmful if swallowed.  
Follow all Federal, State, and local regulations regarding disposal.

Storage: 2° C



25° C

**Mixed Storage Conditions.  
Separate Contents.**

Doc: IFU-TemplateMixedStorageev2



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### Procedure:


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. Dip slide in Bluing Reagent for 30 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 slide 1 time in absolute alcohol.
11. Dehydrate slide quickly in 3 changes of absolute alcohol.
12. Clear in 2 changes of xylene or xylene substitute, and mount in synthetic resin.

### References:

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


### Bulk Reagent Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)

Description:	Catalog #	Volume
Hematoxylin, Mayer's (Lillie's Modification)	HMM500	500 ml
	HMM999	1000 ml
	HMM3800	1 Gallon
Bluing Reagent	BRT500	500 ml
	BRT999	10000 ml
	BRT3800	1 Gallon
Mucicarmine Solution (Southgate's)	SMG125	125 ml
	SMG500	500 ml
	SMG999	1000 ml
Tartrazine Solution	TZQ125	125 ml
	TZQ500	500 ml
	TZQ999	1000 ml

Storage: 2° C  25° C

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