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01/19



# **Mucicarmine Staining Kit**

(Cat# K1430-30, -125; Modified Southgate's; Store at Multiple Temperatures)

#### I. Introduction:

BioVision's Mucicarmine Staining 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 Cryptococcus: Red Nuclei: Blue to Green

Other tissue components: Yellow

#### II. Application:

- Histological applications
- For in vitro diagnostic use

#### III. Sample Type:

- · Any well fixed paraffin embedded tissue sections.
  - Colon
  - Intestine
  - Bronchi Epithelial cells

#### IV. Kit Contents:

Components	K1430-30	K1430-125	Part Number	Storage Temperature
Hematoxylin, Mayer's	30 ml	125 ml	K1430-XX-1	RT
Bluing Reagent	30 ml	125 ml	K1430-XX-2	RT
Mucicarmine Solution	30 ml	125 ml	K1430-XX-3	2-8°C
Tartrazine Solution	30 ml	125 ml	K1430-XX-4	RT

#### V. User Supplied Reagents and Equipment:

- · Distilled water
- · Coplin jars
- Xylene or Xylene substitute
- Forceps
- Absolute alcohol
- Synthetic resin

# VI. Shipment and Storage:

All the reagents are shipped at room temperature and stored at multiple temperatures.

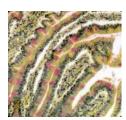
## VII. Reagent Preparation:

- Do not use if reagents become cloudy.
- Do not use past expiration date.
- · Use caution when handling reagents.
- Non-Sterile

### VIII. 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. 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.

## IX. Data:



**Mucicarmine Staining Kit** 

FOR RESEARCH USE ONLY! Not to be used on humans.