

Version 2 Last updated 25 June 2018

ab150677 Mucicarmine (Mucin Stain)

For the histological visualization of Acid Mucopolysaccharides in Tissue Sections.

This product is for research use only and is not intended for diagnostic use.

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1. Overview

Mucicarmine (Mucin Stain) (ab150677) 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*.

Staining Interpretation:

Mucin	Pink/Red
Capsule of <i>Cryptococcus</i>	Red
Nuclei	Blue to Green
Other tissue components	Yellow

Control Tissue: Colon, Intestine, Bronchial Epithelial Cells.

2. Materials Supplied and Storage

For storage temperatures please check below for storage for individual components. Kit can be stored for 1 year from receipt.

Keep away from open flame and refer to the safety datasheet.

Item	Quantity	Storage temperature (before prep)
Hematoxylin (Modified Mayer's)	125 mL	RT
Bluing Reagent	125 mL	RT
Mucicarmine Solution	125 mL	4°C
Tartrazine Solution	125 mL	RT

3. Materials Required, Not Supplied

These materials are not included in the kit, but will be required to successfully perform this assay:

- Absolute alcohol
- Distilled water

4. General guidelines, precautions, and troubleshooting

Please observe safe laboratory practice and consult the safety datasheet.

For general guidelines, precautions, limitations on the use of our assay kits and general assay troubleshooting tips, particularly for first time users, please consult our guide:

www.abcam.com/assaykitguidelines

For typical data produced using the assay, please see the assay kit datasheet on our website.

5. Staining Protocol

- Equilibrate all materials and prepared reagents to room temperature just prior to use and gently agitate.

- 1. Deparaffinize sections if necessary and hydrate in 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 one time in absolute alcohol.
- 11. Dehydrate slide quickly in 3 changes of absolute alcohol.
- 12. Clear in two changes of xylene or xylene substitute, and mount in synthetic resin.

6. FAQs / Troubleshooting

General troubleshooting points are found at www.abcam.com/assaykitguidelines.

7. Notes

Technical Support

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Austria

wissenschaftlicherdienst@abcam.com | 019-288-259

France

supportscientifique@abcam.com | 01.46.94.62.96

Germany

wissenschaftlicherdienst@abcam.com | 030-896-779-154

Spain

soportecientifico@abcam.com | 91-114-65-60

Switzerland

technical@abcam.com

Deutsch: 043-501-64-24 | Français: 061-500-05-30

UK, EU and ROW

technical@abcam.com | +44(0)1223-696000

Canada

ca.technical@abcam.com | 877-749-8807

US and Latin America

us.technical@abcam.com | 888-772-2226

Asia Pacific

hk.technical@abcam.com | (852) 2603-6823

China

cn.technical@abcam.com | 400 921 0189 / +86 21 2070 0500

Japan

technical@abcam.co.jp | +81-(0)3-6231-0940

Singapore

sg.technical@abcam.com | 800 188-5244

Australia

au.technical@abcam.com | +61-(0)3-8652-1450

New Zealand

nz.technical@abc.com | +64-(0)9-909-7829