ab150677

Mucicarmine
(Mucin Stain)

Instructions for Use

For the histological visualization of Acid Mucopolysaccharides in Tissue Sections

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

Version 1  Last Updated 16 April 2013
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1. Introduction

The Mucicarmine (Mucin Stain) is intended for use in the histological 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 Cryptococcus: Red
- Nuclei: Blue
- Other tissue components: Yellow

Control Tissue:

Colon, Intestine, Bronchial Epithelial Cells.
2. Kit Contents

<table>
<thead>
<tr>
<th>Components</th>
<th>Amount</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematoxylin (Modified Mayer’s)</td>
<td>125 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Bluing Reagent</td>
<td>125 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Mucicarmine Solution</td>
<td>125 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>Tartrazine Solution</td>
<td>125 ml</td>
<td>RT</td>
</tr>
</tbody>
</table>

3. Storage and Handling

For storage temperatures please see the Table
Keep away from open flame. Refer to the Safety Data Sheet.
4. Additional Materials Required

- Graded Alcohols

5. Staining Protocol

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. Apply Bluing Reagent for 10-15 seconds.
6. Rinse slide in distilled water.
7. Prepare working Mucicarmine Solution by mixing 1 part Mucicarmine with 2 parts distilled water. (Mixed solution may be use for 30 days if stored at 2-8°C).
8. Stain slide in working Mucicarmine Solution for 30-60 minutes. Use the Mucicarmine Working Solution once and discard.
9. Rinse quickly in tap water followed by a quick rince in distilled water.
10. Stain slide in Tartrazine Solution 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.

6. Reference Image

Figure 1 Staining using ab150677 – Mucicarmine

For further technical questions please do not hesitate to contact us by email (technical@abcam.com) or phone (select “contact us” on www.abcam.com for the phone number for your region).