ab150662

Alcian Blue (pH 2.5)
(Mucin Stain)

Instructions for Use

For the Histological visualization of Sulfated and Carboxylated Acid Mucopolysaccharides and Sialomucins (glycoproteins)

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

The Alcian Blue (pH 2.5) (Mucin Stain) is intended for use in the histological visualization of sulfated and carboxylated acid mucopolysaccharides and sulfated and carboxylated sialomucins (glycoproteins).

Staining Interpretation:

- Acidic Sulfated Mucosubstances: Blue
- Hyaluronic Acid: Blue
- Sialomucins: Blue
- Nuclei: Red
- Background: Pink

Control Tissue:

Small intestine, Colon, Appendix.
2. Kit Contents

<table>
<thead>
<tr>
<th>Components</th>
<th>Amount</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcian Blue, pH 2.5</td>
<td>250 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Safranin O Solution</td>
<td>250 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Acetic Acid Solution</td>
<td>500 ml</td>
<td>RT</td>
</tr>
</tbody>
</table>

3. Storage and Handling

For storage temperatures please see the Table

Keep away from open flame and refer to the Safety Data Sheet
4. Additional Materials Required

Graded Alcohol Solutions

Distilled Water

5. Staining Protocol

1. Deparaffinize sections if necessary and hydrate in distilled water.
2. Incubate slide in Acetic Acid Solution for 3 minutes.
3. Incubate slide in Alcian Blue (pH 2.5) solution for 30 minutes at room temperature or 15 minutes at 37° C.
4. If desired, rinse slide briefly in Acetic acid solution to remove excess Alcian Blue.
5. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
7. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
8. Dehydrate through graded alcohols.
10. Reference Image

Figure 1 Staining of Colon with ab150662 – Alcian Blue (pH 2.5) Stain

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).
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