ab150680

Periodic Acid Schiff (PAS) Stain Kit (Mucin Stain)

Instructions for Use

For the Histological Identification of Lymphocytes and Mucopolysaccharides.

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

The Periodic Acid Schiff (PAS) Stain Kit (Mucin Stain) is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.

**Staining Interpretation:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fungal Organisms</td>
<td>Magenta</td>
</tr>
<tr>
<td>Pas positive Material</td>
<td>Magenta</td>
</tr>
<tr>
<td>Nuclei</td>
<td>Black/Blue</td>
</tr>
<tr>
<td>Other Tissue Components</td>
<td>Green/Blue</td>
</tr>
</tbody>
</table>

**Control Tissue:**

Kidney, Intestine, Liver.
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>Periodic Acid Solution</td>
<td>250 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>Schiff’s Solution</td>
<td>250 ml</td>
<td>4°C</td>
</tr>
<tr>
<td>Bluing Reagent</td>
<td>125 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Light Green 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.

Distilled water
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. Immerse slide in Periodic Acid Solution for 5 minutes (10 minutes for Kidney, skin and diastase digested liver sections).
4. Rinse slide in 4 changes of distilled water.
5. Immerse slide in Schiff’s Solution for 15 minutes (30 minutes for Kidney, skin and diastase digested liver sections).
6. Rinse slide in hot running tap water.
7. Rinse slide in distilled water.
8. Stain slide in Hematoxylin (Modified Mayer’s) for 2-3 minutes.
9. Rinse slide in running tap water for 2-3 minutes.
10. Apply Bluing Reagent for 30 seconds.
11. Rinse in distilled water.
12. Apply Light Green Solution for 2 minutes.
13. Rinse quickly in distilled water.
14. Dehydrate through graded alcohols.
15. Clear slide and mount in synthetic resin.
6. Reference Image

Figure 1 Staining of Intestine using ab150680 – Periodic Acid Schiff (PAS) Red Stain Kit

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).
UK, EU and ROW
Email: technical@abcam.com | Tel: +44-(0)1223-696000

Austria
Email: wissenschaftlicherdienst@abcam.com | Tel: 019-288-259

France
Email: supportscientifique@abcam.com | Tel: 01-46-94-62-96

Germany
Email: wissenschaftlicherdienst@abcam.com | Tel: 030-896-779-154

Spain
Email: soportecientifico@abcam.com | Tel: 911-146-554

Switzerland
Email: technical@abcam.com
Tel (Deutsch): 0435-016-424 | Tel (Français): 0615-000-530

US and Latin America
Email: us.technical@abcam.com | Tel: 888-77-ABCAM (22226)

Canada
Email: ca.technical@abcam.com | Tel: 877-749-8807

China and Asia Pacific
Email: hk.technical@abcam.com | Tel: 108008523689 (中國聯通)

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

www.abcam.com | www.abcam.cn | www.abcam.co.jp

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