ab150678

Oil Red O (Lipid Stain)

Instructions for Use

For the histological visualization of Fat Cells and Neutral Fat

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

Version 1  Last Updated  17 April 2013
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1. Introduction

The Oil Red O Stain Kit (For Fat) is intended for use in the histological visualization of fat cells and neutral fat. This kit may be used **ONLY** on frozen tissue sections, fresh smears, or touch preps.

**Staining Interpretation:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fat Cells</td>
<td>Red</td>
</tr>
<tr>
<td>Neutral Fat</td>
<td>Red</td>
</tr>
<tr>
<td>Nuclei</td>
<td>Blue</td>
</tr>
</tbody>
</table>

**Control Tissue:**

Any Frozen section containing fat.
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>Propylene Glycol</td>
<td>500 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Oil Red O 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

- Aqueous Mounting Medium

5. Staining Protocol

1. Prepare fresh or frozen tissue sections as usual.
2. Place slide in Propylene Glycol for 2 minutes.
3. Incubate slide in Oil Red O Solution for 6 minutes.
4. Prepare a mixture of 85% Propylene Glycol in distilled water and differentiate the tissue section in this mixture for 1 minute.
5. Rinse slide in 2 changes of distilled water.
6. Incubate slide in Hematoxylin for 1-2 minutes.
7. Rinse slide thoroughly in tap water.
8. Rinse slide in 2 changes of distilled water.
6. Reference Image

Figure 1 Staining of Frozen Breast Tissue using ab150678 - Oil Red O 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).
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