**Product datasheet**

**Oil Red O (Lipid Stain) Kit ab150678**

**Overview**

**Product name**  
Oil Red O (Lipid Stain) Kit

**Product overview**  
Oil Red O (Lipid Stain) kit 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.

If you prefer to prepare your own Oil Red O solution, we recommend our solid Oil Red O stain ab146295.

**Notes**  
**Staining Interpretation**

- Fat Cells: Red
- Neutral Fat: Red
- Nuclei: Blue

**Control Tissue:** Any frozen section containing fat.

**Tested applications**  
**Suitable for:** IHC-Fr

**Properties**

**Storage instructions**  
Store at room temperature. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>100 tests</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hematoxylin (Modified Mayer's Solution)</td>
<td>1 x 125ml</td>
<td>1 x 125ml</td>
</tr>
<tr>
<td>Oil Red O Solution</td>
<td>1 x 125ml</td>
<td>1 x 125ml</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>1 x 500ml</td>
<td>1 x 500ml</td>
</tr>
</tbody>
</table>

**Applications**

Our Abpromise guarantee covers the use of **ab150678** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Application**

IHC-Fr

**Notes**

Use at an assay dependent concentration.

**Images**

**Ab150678 (Oil Red O stain) staining lipid deposits (red) in frozen normal human skin.**

The dermis is unstained, whereas the hypodermis is stained, demonstrating dye specificity. Hematoxylin (blue) is used as a counterstain.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre

**During adipocyte differentiation, cells accumulate lipid.**

Oil Red O staining kit (ab150678) was used to visualize lipid in 3T3-L1 cells (left) and adipocyte-like cells (right). As expected, lipid accumulates in 3T3-L1 cells after differentiation into adipocyte-like cells.

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