

Oil Red O Stain Kit (For Fat)

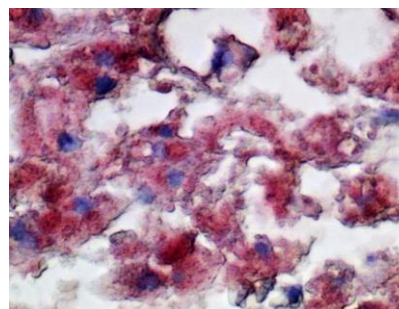
Description: Oil Red O Stain Kit (For Fat) is intended for use in the histological visualization of fat cells and neutral fat. This kit may be used **ONLY** on frozen tissue sections, fresh smears, or touch preps as xylenes and alcohols will dissolve fat deposits.

Uses/Limitations: Not to be taken internally. For In-Vitro Diagnostic use only. Histological applications. Do not use past expiration date. Use caution when handling reagents. Non-Sterile

Control Tissue: Any frozen section containing fat.

Results:

Fat Cells:	Red
Neutral Fat:	Red
Nuclei:	Blue



Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-PRG500	Propylene Glycol	500 ml	18-25°C
SSC-ORG125	Oil Red O Solution	125 ml	18-25°C
SSC-HMM125	Hematoxylin, Mayer's (Lillie's Mod.)	125 ml	18-25°C

For information regarding ordering individual components, please contact us at: **800-442-3573**.

Precautions:

- Keep away from open flame.
- Avoid contact with skin and eyes.
- Harmful if swallowed.
- Follow all Federal, State, and local regulations regarding disposal.
- Use in chemical fume hood whenever possible.

Procedure (Standard):

NOTE: Heat Oil Red O Solution to 60°C prior to beginning.

1. Prepare fresh or frozen tissue section as usual.
2. Place slide in room temperature Propylene Glycol for 5 minutes.
3. Incubate slide in heated (60°C) Oil Red O Solution for 6-10 minutes or overnight at room temperature.

Note: Prepare mixture of 85% Propylene Glycol in distilled water.

4. Differentiate tissue section in 85% Propylene Glycol for 1 minute.
5. Rinse slide in 2 changes of distilled water.
6. Stain tissue section with Hematoxylin, Mayer's (Lillie's Modification) for 1-2 minutes.
7. Rinse slide thoroughly in tap water.
8. Rinse slide in 2 changes of distilled water.
9. Coverslip using an aqueous mounting medium (cat# SSC-AML060).



References:

1. Hopkins, P.M. et al. Oil red O stain of alveolar macrophages is an effective screening test for gastroesophageal reflux disease in lung transplant recipients. The Journal of Heart and Lung Transplantation. 2010 August; 29(8): pages 859-864.
2. Clark, G., et al. Staining Procedures; 4th Edition, 1981.
3. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 225.



Lot-to-Lot Validation Form
Oil Red O Stain Kit Catalog: SSK-OILRED

Kit Lot Number: _____
Kit Expiration Date: _____
Date Tested: _____
Control Tissue (#) _____
Approved for Use: Y/N _____
Date put into use: _____

If not approved,
corrective actions
taken: _____

Approved by: _____

Kit Component**Lot #**

Propylene Glycol

Oil Red O Solution

Hematoxylin, Mayer's

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Propylene Glycol				
Oil Red O Solution				
Hematoxylin, Mayer's				
Approved By: _____				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.