

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.

Fat Cells:	Red
Neutral Fat:	Red
Nuclei:	Blue

Uses/Limitations: For In-Vitro Diagnostic use only.
Histological applications.
Do not use past expiration date.

Control Tissue: Any frozen section containing fat.

Availability/Contents:

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
Propylene Glycol	500 ml	Room Temperature
Oil Red O Solution	125 ml	Room Temperature
Hematoxylin, Mayer's (Lillie's Mod.)	125 ml	Room Temperature

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 Propylene Glycol for 2 minutes.
3. Incubate slide in heated 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. Incubate slide in 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.


Storage: 18° C  25° C

Store Components at Room Temperature.

701 Hemlock Road - Morgantown, PA 19543, U.S.A. - Tel. (610) 524-5810 - Fax (610) 901-3046 - www.azersci.com

References:

1. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 225.

Storage: 18° C  25° C

**Store Components at Room
Temperature.**