

Version 1 Last updated 19 July 2017

ab223796 Oil Red O (Lipid Stain) Solution

For the histological visualization of Fat Cells and Neutral Fat.

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

Table of Contents

1. Introduction	1
2. Storage and Handling	2
3. Materials Supplied	2
4. Materials Required, Not Supplied	2
5. Staining Procedure	3
6. Reference Image	4
7. Notes	5

1. Introduction

The Oil Red O (Lipid Stain) Solution 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:

Fat Cells	Red
Neutral Fat	Red
Nuclei	Blue

Control Tissue:

Any Frozen section containing fat.

2. Storage and Handling

Refer to list of materials supplied for storage conditions of individual components. Keep away from open flame. Refer to the Safety Data Sheet.

3. Materials Supplied

Item	Quantity	Storage Condition
Oil Red O (Lipid Stain) Solution	125 mL	RT

4. Materials Required, Not Supplied

These materials are not included in the kit, but will be required to successfully perform this assay:

- Propylene Glycol
- Hematoxylin (Modified Mayer's)
- Aqueous Mounting Medium

5. Staining Procedure

- 5.1 Prepare fresh or frozen tissue sections as usual.
- 5.2 Place slide in Propylene Glycol for 2 minutes.
- 5.3 Incubate slide in Oil Red O (Lipid Stain) Solution for 6 minutes.
- 5.4 Prepare a mixture of 85% Propylene Glycol in distilled water and differentiate the tissue section in this mixture for 1 minute.
- 5.5 Rinse slide in 2 changes of distilled water.
- 5.6 Incubate slide in Hematoxylin for 1-2 minutes.
- 5.7 Rinse slide thoroughly in tap water.
- 5.8 Rinse slide in 2 changes of distilled water.
- 5.9 Coverslip using an aqueous mounting medium.

6. Reference Image

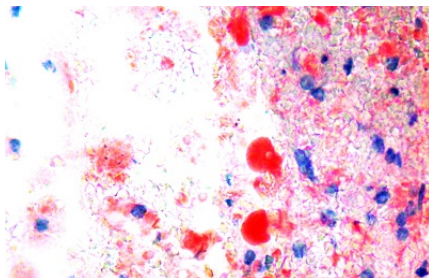


Figure 1. Staining of Frozen Breast Tissue using Oil Red O (Lipid Stain) Solution.

7. Notes

Technical Support

Copyright © 2016 Abcam, All Rights Reserved. The Abcam logo is a registered trademark. All information / detail is correct at time of going to print.

Austria

wissenschaftlicherdienst@abcam.com | 019-288-259

France

supportscientifique@abcam.com | 01.46.94.62.96

Germany

wissenschaftlicherdienst@abcam.com | 030-896-779-154

Spain

soportecientifico@abcam.com | 91-114-65-60

Switzerland

technical@abcam.com

Deutsch: 043-501-64-24 | Français: 061-500-05-30

UK, EU and ROW

technical@abcam.com | +44(0)1223-696000

Canada

ca.technical@abcam.com | 877-749-8807

US and Latin America

us.technical@abcam.com | 888-772-2226

Asia Pacific

hk.technical@abcam.com | (852) 2603-6823

China

cn.technical@abcam.com | 400 921 0189 / +86 21 2070 0500

Japan

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

Singapore

sg.technical@abcam.com | 800 188-5244

Australia

au.technical@abcam.com | +61-(0)3-8652-1450

New Zealand

nz.technical@abc.com | +64-(0)9-909-7829