

Oil Red O acc. Johnson*Kit to show lipids on frozen sections***Manufacturer: Diapath S.p.A.****Use**

Reagents for in vitro diagnostic use

Code	Test	Reagents	Code	Packaging
		Oil Red O	C051AA	1x60ml
010303	100	Deionized water	G014AB	1x40ml
		Mayer Hematoxylin	C030AA	1x30ml

Description

The kit supplies reagents to highlight lipids on frozen sections with Oil Red O stain.

Oil Red O is a stain with lischromic features. Due to these features, the chromophore is soluble in lipids that turns its color. This is a physical and not chemical reaction.

This staining is not suitable for paraffin embedded tissue; this process cause the loss of the lipids.

Specimen and preparation kind

- Preparation: Section at cryostat
- Suggested fixatives: Formalin
- Control: Fat issue
- Storage temperature: +15°/+25°C
- Procedure time: 25 min.
- Critical step: Let stand the working solution for 10 minutes before the use

Staining Protocol

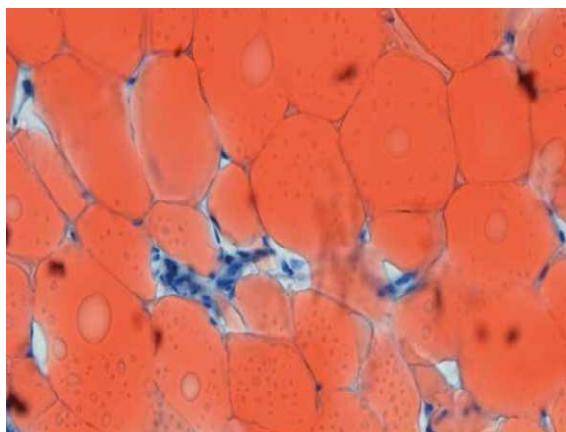
Drain reagents directly on section in a way to cover it completely

1. Hydrate the section to distilled water
2. Working solution: 8 ml of **Oil Red O** + 5 ml of **Deionized water**
3. Let stand at least 10 minutes before the use*
4. Cut section at cryostat
5. Fix the section immersing the slides in ready to use formalin (non-equipped reagent in the kit) for 1 minutes
6. Wash in running tap water
7. Cover the section with the working solution (step 2) for 10 minutes
8. Wash in running tap water
9. Cover sections with **Mayer Hematoxylin** for 3 minutes
10. Wash in running tap water for 1-2 minutes
11. Mount with watery mounting media

() The diluted solution is stable up to 24 hours

Results

Lipids: Red
Nuclei: Blue



Quality control

The products and the raw materials are entered and constantly monitored by computer systems that allow traceability between batch number of each single product and batches of their raw materials.

Instructions of use

To avoid mistakes, the product should be used by qualified and trained staff. Professional use product. The guidelines concerning safety on the workplace must be applied according to current regulations. The tools used for diagnosis must be suitable for diagnostic use in laboratory. The diagnosis should be performed only by authorized, trained and competent staff. Control sections should be used during each test to avoid incorrect results.

Storage

Store the product according to the specifications listed on the label. The product, if opportunely stored and integrally packed, is stable up to the expiry date reported on the label. Do not use after expiration date.

If the reagent is not stored as recommended, its performance may change and must be validated by the user. After opening, the reagent is stable up to expiration date but only if stored in its container and in accordance with the specifications listed on the label. It is recommended to close the container tightly after the use.

Disposal instruction

The expired and/or unused product must be disposed according to local waste regulations, based on danger classification on the label and after possible contaminations evaluation. In some cases it may be necessary an analytical evaluation to determine the correct waste classification and the danger features.

Labeling legend



Batch n.



Manufacturer



Storage temperature limits



Product code



Expiry date



In vitro diagnostic medical device



Photosensitive

For more information see the MSDS.