

Product Information

Oil Red O is a lipid-soluble diazo dye that specifically stains neutral lipids such as triglycerides in cells and tissues but has weaker staining effects on phospholipids and steroids. This product can be used in lipid-related studies, staining intracellular lipid droplets, triglycerides, and other neutral lipids in tissues red or orange red. It also contains hematoxylin, which can be used to counterstain cell nuclei, making them appear blue for observation. This product is suitable for staining frozen tissue and cell sections. Paraffin sections, however, are difficult to stain with this kit due to significant lipid loss during sample processing.

Components

This product contains sufficient materials to stain approximately 200 tissue sections or cell slides. Alternatively, it can also be used to stain approximately 400 wells in a 96-well plate. Note that the number of uses may vary depending on the size of the sections or the type of plate used. The main components are shown in the table below; please prepare any other reagents not listed.

Component	Specification
Oil Red O Solution (Concentrated)	12 mL
Washing Buffer	40 mL
Mayer's Hematoxylin Solution	20 mL

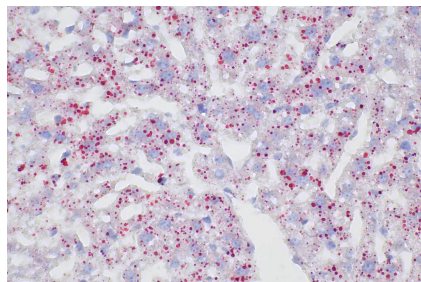
Package

200 T

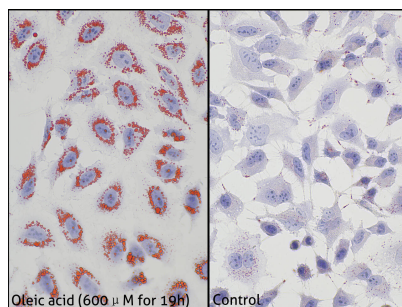
Storage

Store at room temperature, away from light, for up to 1 year.

Validation Data



Staining result of frozen mouse liver section by using PK10040.



Staining results of oleic acid-treated HeLa cells using PK10040 (left), with untreated HeLa staining serving as a negative control (right).

For technical support and original validation data for this product please contact

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