CREATIVE BIOMART®
Assay Kit

Lipid (Oil Red O) staining Kit

Product Information

Cat.No. Kit-0517

Product Overview

Lipid (Oil Red O) staining Kit is used detect neutral lipids.

Description

Lipid droplets are found in all eukaryotic organisms. They function as reservoirs of neutral lipids, primarily triacylglycerol and cholesterol esters. The stored lipids can be used for energy, steroid synthesis, or membrane formation. Lipid droplet accumulation is a normal function in cells. Adipocytes consist predominantly of lipid droplets; however excessive lipid droplet accumulation within cells can be an indicator of metabolic deficiency or pathogenesis. For example, excessive accumulation of lipids in liver cells (steatosis) can lead to cellular dysfunction. At the onset of atherosclerosis, macrophages engulf oxidized-LDL, develop into foam cells, and contribute to artery narrowing. The Lipid (Oil Red O) staining Kit allows selective detection of neutral lipids within cultured cells. The kit also includes Hematoxylin to stain nuclei. This kit provides enough reagents to stain two (2) 96-well plates, two (2) 6-well plates, or four (4) 100 mm culture dishes.

Applications

Staining of neutral lipids in cells.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store at room temperature.

Kit Components

PBS 48 mLFormalin (10%) 24 mLOil Red O 60 mgHematoxylin 24 mL

Compatible Sample Types

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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Lipid (Oil Red O) staining Kit

Cell culture: Adipocytes, Hepatocytes, Macrophages, etc.

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