BIOTnA Biotech
BIOSCIENCE FOR THE LAB.

Oil Red O Stain Kit

Product name: Oil Red O Stain Kit
Catalog No.: TASS06

Introduction:

Oil Red O Stain Kit is used for the detection of lipid in adipose cells and neutral fat in tissues. The histological mechanism of the staining of lipids is invariably a function of the physical properties of the dye being more soluble in the lipid to be demonstrated than in the vehicular solvent. This kit may be used ONLY on frozen tissue sections, fresh smears, and non-fixed in alcohol section.

Form:

Catalog No.	Size
TASS06	500ml

Kit Contents (for 500ml kit):

Kit Contents	Format	Recommend time	Storage
Oil Red O solution	concentrate, 500ml	20-30 minutes.	25-28℃
Hematoxylin	Dropping bottle, 200ml	1-2 minutes.	25-28℃
Control slide x 2	Lipid frozen section	--	2-8℃
Mounting medium	Dropping bottle,15ml	--	25-28℃

Preparing before use:

Oil Red working solution

(Oil Red O solution : DD water = 6 : 4)

Note:

1. The working solution should be made up fresh from the stock solution each time.
2. Cut frozen sections at 8 to10um, air dry the sections to the slides

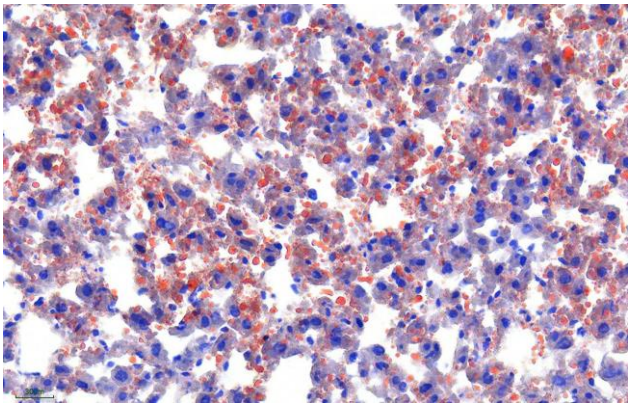
BIOTnA Biotech
BIOSCIENCE FOR THE LAB.

Staining Protocol Recommendations:

1. Prepare fresh or frozen tissue sections.
2. Cut frozen section in 8 to 10um, air dry the sections to the slide.
3. Rinse running tap water for 5-10 minutes.
3. Lightly stain nuclei with fully covered section hematoxylin 1-2 minutes
4. Wash in running tap water for 10 minutes.
5. Rinse with distilled water.
6. Stain with freshly prepared Oil Red O working solution 20-30 mins.
7. Rinse briefly in distilled water to remove the excess stains.
8. Mount in aqueous mounting medium or glycerine jelly.

Results:

lipid ---------- red
Nuclei ---------- blue
Cytoplasm ---------- light blue



Positive Controls:

Adipose tissue.

Storage and Stability:

Please read the kit contents and follow the storage condition. The user must validate any other storage conditions. When properly stored, the reagent is stable until the date indicated on the label. Do not use the reagent beyond the expiration date. If unexpected results are observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Technical: info@biotna.net