ScyTek LABORATORIES INC.

Instructions For Use

SBK-IFU

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Sudan Black B Stain Kit (For Fat)

Description and Principle

The Sudan Black B Stain Kit (For Fat) 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 as xylenes and alcohols will dissolve fat deposits.
Fat staining occurs by absorption of Sudan black B into lipoid substances. This is a physical method of staining that relies on greater solubility of Sudan black B in the lipoid substances than in the dye solvent.

Expected Results

Fat Cells:	Blue to Black
Neutral Fat:	Blue to Black
Nuclei:	Red

Kit Contents	Storage
1. Propylene Glycol	18-25°C
2. Sudan Black B Solution	18-25°C
3. Nuclear Fast Red Solution	18-25°C

Suggested Controls *(not provided)*

Any frozen section containing fat, Any fresh smear containing fat.

Uses/Limitations

Not to be taken internally.
For In-Vitro Diagnostic use only.
Histological applications.
Do not use if reagent become cloudy.
Do not use past expiration date.
Use caution when handling reagent.
Non-Sterile.

Storage

Store kit and all components at room temperature (18-25°C).

Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

Procedure:

Note: Heat Sudan Black B Solution to 60°C prior to beginning.

1. Prepare fresh or frozen tissue section and fix as usual.

2. Place slide in room temperature Propylene Glycol for 10 minutes.

3. Incubate slide in heated (60°C) Sudan Black B Solution for 10 minutes or overnight at room temperature.

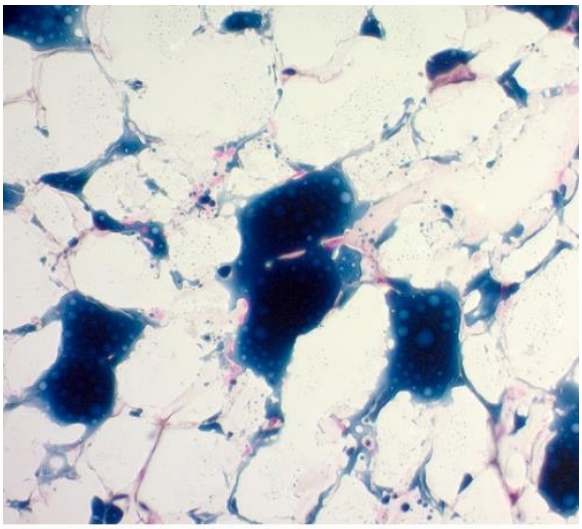
Note: Prepare mixture of 85% Propylene Glycol in distilled water.

4. Differentiate tissue section in 85% Propylene Glycol for 3-5 minutes.

5. Rinse slide in 2 changes of distilled water.

6. Stain tissue section with Nuclear Fast Red Solution for 5 minutes.

7. Rinse slide thoroughly in tap water.



Fat deposits in frozen Human Adipose tissue demonstrated with Sudan Black B Stain Kit (SBK-1)

8. Rinse slide in 2 changes of distilled water.

9. Coverslip using an aqueous mounting medium (cat# AML060).

References

1. Sheehan, H. L., and G. W. Storey. "An improved method of staining leucocyte granules with Sudan black B." The Journal of pathology and bacteriology 59.1-2 (1947): 336-337.
2. CH, NH. "SUDAN BLACK B." HANDBOOK OF BIOLOGICAL DYES AND STAINS: 440.
3. Bronner, Roberte. "Simultaneous demonstration of lipids and starch in plant tissues." Biotechnic & Histochemistry 50.1 (1975): 1-4.

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