
LIPOFUSCIN - SUDAN BLACK B

PURPOSE: Lipofuscins, the "wear-and-tear" pigment, collects in the more permanent cells (heart, liver, and neurons) of older persons. Lipofuscin is the accumulation of lysosomes, which have absorbed the worn-out, undigestible parts of the cell and known as residual bodies. It is a yellow-brown pigment, and will stain after being processed in paraffin.

PRINCIPLE: The lipofuscins react with oil-soluble dyes.

CONTROL: Bielschowsky control tissue, cut at 5 μ .

FIXATIVE: 10% formalin

TECHNIQUE: Cut paraffin sections 5 μ .

REAGENTS:

Sudan Black/Lipofuscin:

Sudan Black B	saturated
70% alcohol	50.0 ml

Mix well, filter through filter paper, then filter again through a frittered glass filter of medium porosity with suction. Stable for 6 months.

CAUTION: Flammable.

SAFETY: Wear gloves, goggles and lab coat. Avoid contact and inhalation.

PROCEDURE:

1. Deparaffinize and hydrate slides to 70% alcohol.
2. Sudan black, overnight, room temperature.
3. Rinse and differentiate in 70% alcohol until background is pale gray.
4. Wash well in tap water.
5. Mount in aqueous mountant.

RESULTS:

Lipofuscins, RBC's: black

REFERENCE:

Bancroft J, Stevens A, Theory and Practice of Histological Techniques, 2nd
Ed

Prepared: _____ By: _____

Approved: _____ By: _____

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PROCEDURE CARD

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DATE: _____

TECH: _____

EXPIRATION: _____