LUGOL’S IODINE

PURPOSE: Used for removing mercury pigment from B-5 (and Zenker) fixed tissue sections, also used in the Gram and EVG stains.

REAGENTS:
Lugol's Iodine:
Potassium iodide 80.0 gm
Iodine crystals 40.0 gm
Distilled water 4000.0 ml

Dissolve the potassium iodide in a few ml of water, then add the iodine crystals which will dissolve immediately. Add the remaining water. Label, date, and initial, store in a brown gallon bottle.

CAUTION: Corrosive, avoid contact and inhalation.

SAFETY: Wear gloves, goggles and lab coat.

Iodine: heating will generate copious amounts of toxic fumes. Dermal sensitizer, irritant to eyes, skin and respiratory system. Corrosive.

PROCEDURE: To remove mercury deposits, deparaffinize and hydrate slides to water, place in iodine for 5 minutes, wash in water, remove iodine with hypo solution.

REFERENCES:
Carson F, Histotechnology A Self-Instructional Text, 1st Ed, 1990, ASCP, Ill
Crookham,J, Dapson,R, Hazardous Chemicals in the Histopathology Laboratory, 2nd ED, 1991, Anatech
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Potassium iodide 80.0 gm
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Distilled water 4000.0 ml

Dissolve the potassium iodide in a few ml.s of water, then add the iodine crystals which will dissolve immediately. Add the remaining water. Label, date, and initial, store in a brown gallon bottle. Stable for 1 year.

CAUTION: Corrosive, avoid contact and inhalation.

DATE:________________________

TECH:________________________

EXPIRATION:__________________