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**LUGOL'S IODINE**

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**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

Prepared: \_\_\_\_\_ By: \_\_\_\_\_

Approved: \_\_\_\_\_ By: \_\_\_\_\_

**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.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: \_\_\_\_\_