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**5% HYPO - SODIUM THIOSULFATE**

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**PURPOSE:** Used for removing iodine when treating mercury treated slides, and as a "stop bath" for silver stains.

**REAGENTS:**

**5% Hypo**

Sodium thiosulfate	200.0 gm
Distilled water	4.0 L

Dissolve sodium thiosulfate into solution. Store in gallon jar, label, date, and initial.

**SAFETY:** Wear gloves, goggles and lab coat. Work in a well ventilated area. Sodium thiosulfate: Toxic on ingestion. Can irritate the stomach. Irritant to skin, eyes and respiratory tract.

**PROCEDURE:**

1. After treating slides in iodine, wash in water, place in hypo solution for 5 minutes, wash in water, stain as desired.
2. After toning silver stains with gold chloride, place slides in hypo for 1-5 minutes to stop the silver reaction.

**REFERENCES:**

Crookham,J, Dapson,R, Hazardous Chemicals in the Histopathology Laboratory, 2nd ED, 1991, Anatech

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

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

**5% HYPO-SODIUM THIOSULFATE**

Sodium thiosulfate      200.0 gm  
Distilled water            4000.0 ml

Mix well. Store in brown 1 gallon jar. Stable for two years.

**CAUTION:** Avoid contact and inhalation.

DATE: \_\_\_\_\_

TECH: \_\_\_\_\_

EXPIRATION: \_\_\_\_\_