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**BLUING SOLUTIONS**

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**PURPOSE:** To be used for bluing the hematoxylin stain, follows the decoloration, acid rinse, in regressive staining..

**REAGENTS:**

**Scott's Tap Water/Bluing**

Magnesium sulfate (MgSO<sub>4</sub>) 30.0 gm  
Sodium bicarbonate 2.0 gm  
Tap water 3000.0 ml

Mix well, label, date solution.  
Recommended for Gill's III  
hematoxylin.

**Ammonia Water**

Ammonium hydroxide 5.0 ml  
Distilled water 1000.0 ml

Mix well, label, date solution. Used  
in the Gross Room for frozens. Can  
cause tissue to fall off slide.

**CAUTION:** Strong oxidizer, corrosive.

**0.05% Lithium Carbonate**

Lithium carbonate 0.5 gm  
Distilled water 1000.0 ml

Mix well, label, date solution.

**SAFETY:** Work under hood, use in well ventilated area, wear gloves, goggles and lab coat.

Ammonium hydroxide: severe eye irritant, irritating to respiratory system. Target organ effects on respiratory system. Corrosive. Work under hood.

**REFERENCES:**

Sheehan, D, Hrapchak, B, THEORY AND PRACTICE OF HISTOTECHNOLOGY,  
second edition, 1980, pp 143-145, Battelle Press  
Crookham, J, Dapson, R, Hazardous Chemicals in the Histopathology  
Laboratory, 2nd ED, 1991, Anatech

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

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

**0.05% LITHIUM CARBONATE**

Lithium carbonate 0.5 gm  
Distilled water 1000.0 ml

Mix well, label, date solution.

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

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

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

**AMMONIA WATER**

Ammonium hydroxide 5.0 ml  
Distilled water 1000.0 ml

Mix well, label, date solution. Used in the Gross Room for frozens. Can cause tissue to fall off slide.

**CAUTION:** Strong oxidizer, corrosive.

**SAFETY:** Avoid contact and inhalation.

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

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

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

**SCOTT'S TAP WATER/BLUING**

Magnesium sulfate (MgSO4) 30.0 gm  
Sodium bicarbonate 2.0 gm  
Tap water 3000.0 ml

Mix well, label, date solution. Recommended for Gill's III hematoxylin.

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

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

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