BLUING SOLUTIONS

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 (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.

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.

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

Prepared: ________________________ By: ________________

Approved: ________________________ By: ________________

Downloaded from WebPath: Internet Pathology Laboratory http://www-medlib.med.utah.edu/WebPath/webpath.html
**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.  

**TECH:** ________________________  
**DATE:** _______________________  
**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:** __________________