

## **J-614 GOMORIS' METHENAMINE SILVER FOR URATE CRYSTALS**

**Fixation:** Absolute Alcohol at 4°C for overnight.

**Sections:** Paraffin @ 4-5 microns

### **PROCEDURE:**

1. Deparaffinize to Xylene and rinse with 3 changes of absolute alcohol.
2. Place slides in preheated working Methenamine Silver. Incubate for 30 minutes @ 60°C.

\*To prepare working solution:

- A. Methenamine-Silver Nitrate Stock Solution
  - Silver Nitrate, 5% aq.** (J-614-1) 5ml
  - Methenamine, 3%, aq.** (J-614-2) 100ml
- B. Methenamine-Silver Nitrate Working Solution
  - Methenamine Silver-Nitrate Stock Sol'n 25ml
  - Distilled Water 25ml
  - Sodium Borate, 5%,Aq.** (J-614-3) 2ml

Prepare fresh prior to use. Do not use if cloudy.

\*Urate crystals should be black.

3. Rinse sections in distilled water.
4. Tone with **Gold Chloride, 0.1%** (J-614-4) for 5 minutes.
5. Give sections 4 or 5 rinses of distilled water.
6. **Sodium Thiosulfate, 3%** (J-614-5) for 5 minutes.
7. Wash in tap water for 5 minutes.
8. Rinse in distilled water.
9. Counterstain in **Light Green Working Solution** (J-614-6) for 2 minutes.
10. Dehydrate, clear and mount.

### **Stain Results:**

Urate Crystals	Black
Background	Green

### **References:**

Sheehan, Dezna C. and Hrapchak, Barbara B.  
Theory and Practice of Histotechnology, 2<sup>nd</sup> ed.  
The C.V. Mosby Company, St. Louis, p. 225-226 c.1980.