

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, 2nd ed.
The C.V. Mosby Company, St. Louis, p. 225-226 c.1980.