

ROWLEY
BIOCHEMICAL
INC.

DANVERS INDUSTRIAL PARK
10 ELECTRONICS AVENUE,
DANVERS MA 01923
TEL: 978-739-4883 FAX: 978-739-5640

C-207, SILVER NITRATE STAIN

Fixation: Alcohol, 80% (F-12) or Neutral Formalin, 10% (F-114)

Sections: Paraffin or frozen

PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Place section in Silver Nitrate, 5% (C-207-1) for 10-60 minutes and expose to strong light. Wash in distilled water.
3. Expose to bright but diffuse daylight 10-60 minutes. Wash in distilled water.
4. Clear excess silver with Sodium Thiosulfate, 5% (C-207-2) 2-3 minutes. Wash in distilled water.
5. Counterstain 20-30 seconds in Safranin O, (C-207-3).
6. Dehydrate in 95% Alcohol, (D-11) and Absolute Alcohol (D-10).
7. Pass through Alcohol-Xylene (C-122), Xylene (C-120) and Balsam.

Stain Results:

Calcium	Black to Gray
Nuclei	Red

References:

Clark, G.: Staining Procedures, Williams & Wilkins Co., Baltimore, 3rd Ed., c. 1973, p. 141.
Lillie, R.D.: Histopathological Technique and Practical Histochemistry, Ed. 3, McGraw-Hill, New York, 1965.