

ROWLEY
BIOCHEMICAL
INC.

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

G-480, DIAZO METHOD FOR ARGENTAFFIN GRANULES

FIXATION: 10% Buffered Neutral Formalin, (F-113)

SECTION: Paraffin @ 6 microns

STAINING PROCEDURE:

1. Deparaffinize and hydrate to distilled water.
2. Bretamine working solution @ 4°C for 40-60 seconds. For working solution mix:
5.0ml **Bretamine Fast Red B** (G-480-1)
2.0ml **Lithium Carbonate 1.36%** (G-480-2)
Let stand 6-8 minutes @ 4°C before use.
3. Rinse in two changes of distilled water.
4. **Mayer's Hematoxylin** (G-480-3) for 3 minutes.
5. Blue in tap water for 5 minutes. Rinse in two changes of **95% Alcohol** (G-480-4).
6. Dehydrate rapidly in **Absolute Alcohol** (D-10), clear in **Xylene** (C-120) two changes each.
7. Mount.

RESULTS:

Argentaffin granules	Red
Background	Yellow
Nuclei	Blue

REFERENCES:

AFIP Manual of Histological Staining Methods, 3rd ed., Ed. L. Luna: New York:
McGraw Hill Publications, c. 1968, p.100.
Clayden, E.C.; Practical Section Cutting and Staining, 3rd Ed., London,
W. Z., J. and A, Churchill, Ltd 1955, p.53.