

ROWLEY
BIOCHEMICAL
INC.

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

G-487 BERG'S METHOD FOR SPERMATOOZOA

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

SECTIONS: Paraffin @ 6 microns

STAINING:

1. Deparaffinize and hydrate to distilled water.
2. Stain in **Putt's Carbol Fuchsin (G-487-1)** for three minutes.
3. Place slides directly into **Lithium Carbonate Solution, sat'd (G-487-2)** for three minutes.
4. Decolorize in **Acetic Acid –Alcohol (G-487-4)** for five minutes.
5. Absolute alcohol, two changes for one minute each.
6. **Methylene Blue Solution, 0.5% (G-487-3)** for 30-60 seconds. Rinse rapidly in absolute alcohol, two changes.
7. Clear in Xylene, two or three changes and mount with **Permount (M-18)**.

*****NOTE: Gentle agitation of slides throughout the procedure will help in preventing uneven staining.**

Staining Results:

Spermatazoa	Brilliant Red
Erythrocytes	Pale Pink
Other Tissue Components	Blue to Purple

References:

AFIP, Manual of Histological Staining Methods, 3rd Ed., Ed L. Luna: New York: Mcgraw Hill Publications, c. 1968, p.117.

Berg, J.W., American Journal of Clinical Pathology, 23:513-515, 1963.