# ROWLEY BIOCHEMICAL INC.

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# L-774, LILLIE'S METHOD FOR NUCLEIC ACID

**Fixation**: **10% Buffered Neutral Formalin** (F-113)

**Sections:** Paraffin @ 6 microns

# **Staining:**

- 1. Deparaffinize and hydrate to distilled water.
- 2. Place slides in preheated <u>1 N Hydrochloric Acid</u> (L-774-2) at 60°C for 10-15 minutes.
- 3. Stain for 10 minutes in **Schiff's Reagent** (L-774-1).
- 4. Place in <u>Sodium Bisulfite</u>, <u>0.05M</u>(L-774-3) for 3 changes, 2 minutes each. Wash in running water for 5 minutes.
- 5. Stain for a few seconds in **Fast Green Solution**, **0.01%** (L-774-4).
- 6. Dehydate in 95% alcohol, absolute alcohol, and clear in xylene, two changes each.
- 7. Mount with **Permount** (M-18)

## Cells:

Nuclear chromatin	Deep red-purple
Cytoplasm	Light green
The chromatin of plasmodia,	Pale red
sarcosporidia toxoplasmata	
and histoplasmata	

NOTE: If the fast Green is too intense, it may be removed promptly in water, it does not wash out in alcohol.

## **References:**

Lillie, R.D., <u>Histopathologic Technic and Practical Histochemistry</u>, 3<sup>rd</sup> ed, McGraw-Hill, NY, pp149-150, 1965

Luna, L.G., (ed.), <u>Manual of Histologic Staining Methods of the AFIP</u>, 3<sup>rd</sup> ed. McGraw-Hill, NY, p 131, c1968.