

## **A-120     GRIDLEY'S METHOD**

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

**Sections:**    Paraffin @ 6 microns

**Staining:**    Use a control slide

1. Deparaffinize and hydrate to distilled water.
2. Oxidize in Chromic Acid, 4% (A-120-1) for one hour. Wash in running water for five minutes.
3. Coleman's Feulgen Reagent (A-120-2) for 15 minutes. Wash in running water for 15 minutes. Rinse in several changes of 70% alcohol.
4. Aldehyde Fuchsin (A-120-3) for 30 minutes. Rinse off excess stain with 95% alcohol. Rinse in distilled water.
5. Counterstain lightly with Metanil Yellow (A-120-4). Rinse in distilled water.
6. Dehydrate in 95% alcohol, absolute alcohol, and clear in two changes of Xylene (C-120).
7. Mount with Permount (M-18).

**Stain Results:**

Deep Purple	Mycelia, Conidia
Yellow	Elastic Tissue & Mucin Background

*Filaments of Nocardia & Actinomyces are not stained by this method.*

**Reference:**

Gridley, M.F.: Amer. J. Clin. Path., 23: 303 (1953)

AFIP Manual of Histologic Staining Techniques: 3rd., ED. ED. L. Luna; New York: McGraw-Hill Publications, c.1968, p. 229.

