

**A-112 RAPID STAINING METHOD FOR
HELICOBACTER PYLORI IN
GASTRIC BIOPSIES**
(A LOW COST SPEEDY METHOD USING ALCIAN YELLOW)

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

TECHQUE: Cut paraffin at 2-3 microns

STAINING PROCEDURE: Use control slides.

1. Deparaffinize and hydrate to triple distilled water.
2. Oxidize in **Periodic Acid, 1% Aqueous (A-112-2)**, for 5 minutes.
3. Wash well in tap water.
4. Treat with Sodium **Metabisulfite, 5% Aqueous (A-112-2)**, for 5 minute.
5. Wash in tap water for 2 minutes.
6. Stain in **Alcian Yellow, 1 % (A-112-3)**, for 5 minutes.
7. Wash well with tap water.
8. Stain in freshly prepared Toluidine Working Solution for 3 minutes.

* To prepare working Solution:

Toluidine Blue, 1% Aqueous (A-112-4) 0.5 ml
Distilled water 50 ml
Sodium Hydroxide, 3% Aqueous (A-112-5) 2 drops

9. Wash well in tap water.
10. Blot dry.
11. Clear in **Xylene** (C-120), two changes.
12. Mount with **Permount** (M-18).

RESULTS:

Helicobacter Pylori	Blue
Mucin	Yellow
Background	Pale Blue

REFERENCES: Leung JK, Vartanian RK "Rapid Staining Method for Helicobacter Pylori in Gastric Biopsies" The Journal of Histotechnology Vol. 19, No. 2:131-132, 1996.