

**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.