

# H. Pylori Rapid Stain Kit

**Description:** The H. Pylori Rapid Stain Kit is designed for demonstrating Helicobacter Pylori infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

Helicobacter Pylori:	Blue
Mucin:	Yellow
Background:	Light Blue


**Uses/Limitations:** For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use past expiration date.  
Use caution when handling these reagents.

**Control Tissue:** Helicobacter Pylori infected stomach.

**Availability/Contents:**

<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
Periodic Acid Solution	500 ml	2-8° Centigrade
Sodium Metabisulfite Solution	125 ml	Room Temperature
Alcian Yellow Solution	125 ml	Room Temperature
Toluidine Blue Solution	6 ml x 2	Room Temperature
Sodium Hydroxide Solution (3%)	8 ml	Room Temperature

**Precautions:** Avoid contact with skin and eyes.  
May cause burns.  
Harmful if swallowed.  
Follow all Federal, State, and local regulations regarding disposal.  
Use in chemical fume hood whenever possible.

Storage: 2° C  25° C

**Mixed Storage Conditions.  
Separate Contents.**

701 Hemlock Road - Morgantown, PA 19543, U.S.A. - Tel. (610) 524-5810 - Fax (610) 901-3046 - [www.azersci.com](http://www.azersci.com)

## Procedure (Standard):


### Prepare Toluidine Blue Working Solution (Immediately prior to use):

Distilled Water	50 ml
Toluidine Blue Solution	20 drops
Sodium Hydroxide Solution	3 drops

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Periodic Acid Solution for 10 minutes (**Note: Do Not Reuse Periodic Acid Solution**).
3. Rinse thoroughly in distilled water.
4. Incubate slide in Sodium Metabisulfite Solution for 5 minutes.
5. Rinse thoroughly in distilled water.
6. Incubate slide in Alcian Yellow Solution for 5-10 minutes.
7. Rinse slide thoroughly in distilled water.
8. Incubate slide in freshly prepared Toluidine Blue Working Solution for 3-5 minutes (**Note: Do Not Reuse Toluidine Blue Working Solution**).
9. Rinse thoroughly in distilled water.
10. Dehydrate quickly in 2 changes of absolute alcohol.
11. Clear, and mount in synthetic resin.

## References:

1. Leung, K., Gibbon, K.J. A Rapid Staining Method for Helicobacter Pylori in Gastric Biopsies, Journal of Histochemistry, Volume 19, Pages 131-132. 1996

Storage: 2° C  25° C

**Mixed Storage Conditions.  
Separate Contents.**