

### Instructions For Use

### AYH-2-IFU

Rev. Date: June 16, 2010

**Revision: 1** 

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Tel. (435) 755-9848 - Fax (435) 755-0015 - www.scytek.com

# 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.

Helicobactor Pylori:

Mucin:

Background:

Blue

Yellow

Light Blue

**Uses/Limitations:** For In-Vitro Diagnostic use only.

Histological applications.

Do <u>not</u> use past expiration date.

Use caution when handling these reagents.

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

#### **Availability/Contents:**

Item #	Kit Contents	<u>Volume</u>	<u>Storage</u>
PAQ030	Periodic Acid Solution	30 ml	2-8° Centigrade
SME030	Sodium Metabisulfite Solution	30 ml	Room Temperature
ANY030	Alcian Yellow Solution	30 ml	Room Temperature
TQF003	Toluidine Blue Solution	3 ml	Room Temperature
SHC003	Sodium Hydroxide Solution (3%)	3 ml	Room Temperature

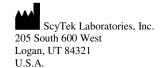
**Precautions:** Avoid contact with skin and eyes.

May cause burns. Harmful if swallowed.

Follow all Federal, State, and local regulations regarding disposal.

Use in chemical fume hood whenever possible.









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### **Procedure (Standard):**

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

Distilled Water 50 ml
Toluidine Blue Solution 10 drops
Sodium Hydroxide Solution 3 drops

- 1. Deparaffinize sections if necessary and hydrate to distilled water.
- 2. Apply several drops of Periodic Acid Solution and incubate for 10 minutes.
- 3. Rinse thoroughly in distilled water.
- 4. Apply several drops of Sodium Metabisulfite Solution and incubate for 5 minutes.
- 5. Rinse thoroughly in distilled water.
- 6. Apply several drops of Alcian Yellow Solution and incubate 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:

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



