

ab150673 H. Pylori Rapid Stain (Microorganism Stain)

For the histological visualization of *Helicobacter pylori* in infected tissue.

This product is for research use only and is not intended for diagnostic use.

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1. Overview

The *Helicobacter 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.

Staining Interpretation:

<i>Helicobacter pylori</i>	Blue
<i>Mucin</i>	Yellow
Background	Light Blue

Control Tissue:

Helicobacter pylori infected stomach.

2. Materials Supplied and Storage

Store kit at room temperature immediately on receipt and check below for storage for individual components. Kit can be stored for 1 year from receipt, if components have not been reconstituted.

Keep away from open flame. Refer to the Safety Data Sheet.

Item	Quantity	Storage temperature (before prep)
Periodic Acid solution	500 mL	4°C
Sodium Metabisulfite Solution	125 mL	Room temperature
Alcian Yellow Solution	125 mL	Room temperature
Toluidine Blue Solution	2 x 6 mL	Room temperature
Sodium Hydroxide Solution (3%)	8 mL	Room temperature

3. Materials Required, Not Supplied

These materials are not included in the kit, but will be required to successfully perform this assay:

- Graded alcohols
- Distilled water

4. General guidelines, precautions, and troubleshooting

Please observe safe laboratory practice and consult the safety datasheet.

For general guidelines, precautions, limitations on the use of our assay kits and general assay troubleshooting tips, particularly for first time users, please consult our guide:

www.abcam.com/assaykitguidelines

For typical data produced using the assay, please see the assay kit datasheet on our website.

5. Reagent Preparation

5.1 Periodic Acid Solution

Ready to use as supplied.

5.2 Sodium Metabisulfite Solution

Ready to use as supplied.

5.3 Alcian Yellow Solution

Ready to use as supplied.

5.4 Sodium Hydroxide Solution (3%)

Ready to use as supplied.

5.5 Toluidine Blue Solution

1. Prepare Toluidine Blue Working Solution immediately prior to use.
2. To 50 mL distilled water add 20 drops Toluidine Blue Stock solution and 3 drops Sodium Hydroxide Solution (3%).

6. Assay Procedure

- Equilibrate all materials and prepared reagents to room temperature just prior to use and gently agitate.
- 6.1 Deparaffinize sections if necessary and hydrate in distilled water.
- 6.2 Incubate slide in Periodic Acid Solution for 10 minutes.
ΔNote: Do not reuse Periodic Acid Solution.
- 6.3 Rinse slide thoroughly in distilled water.
- 6.4 Incubate slide in Sodium Metabisulfite Solution for 5 minutes.
- 6.5 Rinse slide thoroughly in distilled water.
- 6.6 Incubate slide in Alcian Yellow Solution for 5-10 minutes.
- 6.7 Rinse slide thoroughly in distilled water.
- 6.8 Incubate slide in freshly prepared Toluidine Blue Working Solution (see 5.5) for 3-5 minutes.
ΔNote: Do not reuse Toluidine Blue Working Solution
- 6.9 Rinse slide thoroughly in distilled water.
- 6.10 Dehydrate quickly in 2 changes of absolute alcohol.
- 6.11 Clear and mount in synthetic resin.

7. FAQs / Troubleshooting

General troubleshooting points are found at
www.abcam.com/assaykitguidelines

8. Notes

Technical Support

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