**Product overview**

The *Helicobacter pylori* Rapid Stain (Microorganism Stain) is designed for demonstrating *Helicobacter pylori* infected tissue. Kit may be used on formalin fixed, paraffin-embedded tissue as well as frozen sections.

**Other products for staining tissue sections**

Find more kits and reagents in the special stains guide, or products for antigen retrieval, blocking, signal amplification, visualization, counterstaining, and mounting in the IHC kits and reagents guide.

**Notes**

**Staining Interpretation**

- *Helicobacter pylori* Blue
- Mucin Yellow
- Background Light Blue

**Control Tissue:** *Helicobacter pylori* infected stomach

**Properties**

<table>
<thead>
<tr>
<th>Components</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcian Yellow solution</td>
<td>1 x 125ml</td>
</tr>
<tr>
<td>Periodic acid solution</td>
<td>1 x 500ml</td>
</tr>
<tr>
<td>Sodium Hydroxide Solution (3%)</td>
<td>1 x 8ml</td>
</tr>
<tr>
<td>Sodium Metabisulfite Solution</td>
<td>1 x 125ml</td>
</tr>
<tr>
<td>Toluidine Blue Solution</td>
<td>2 x 6ml</td>
</tr>
</tbody>
</table>

**Relevance**

The spiral shaped bacterium *Helicobacter pylori* is strongly associated with inflammation of the stomach and is also implicated in the development of gastric malignancy. *H. pylori* is known to cause peptic ulcers and chronic gastritis in human. It is associated with duodenal ulcers and may be involved in development of adenocarcinoma and low-grade lymphoma of mucosa associated...
lymphoid tissue in the stomach. More recently this bacterium has also been implicated with a number of vascular disorders including heart disease. It is not clear how *H. pylori* is transmitted or why some patients become symptomatic while others do not. The bacteria are most likely spread from person to person through fecal-to-oral or oral-to-oral routes. Possible environmental reservoirs include contaminated water sources. Serological tests that measure specific *H. pylori* IgG antibodies can determine if a person has been infected although these methods do have drawbacks and limitations.

**Images**

ab150673 H. Pylori Stain Kit (Microorganism Stain) staining formalin-fixed-paraffin embedded human stomach.

Staining using ab150673 - H. pylori Rapid Stain Kit.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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