Usage procedure for:

H. Pylori Stain Kit, Alcian Yellow

Avantik Kit Item #: RS4559-125 | RS4559-250 | RS4559-500

Solutions Provided in Stain Kit:
- Periodic Acid, 1%
- Alcian Yellow Stain
- Sodium Metabisulfite, 5%
- Toluidine Blue Stock Solution
- Sodium Hydroxide, 3%

Working solution preparation (stable for one month):

**Toluidine Blue Working Solution**
- Toluidine Blue Stock Solution: 0.5mL
- Sodium Hydroxide, 3%: 2 drops
- Distilled Water: 50mL

Conventional Procedure
1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Oxidize sections in **Periodic Acid, 1%** for 10 minutes. **NOTE:** Do not reuse this solution!
3. Wash sections well with water.
4. Place slides in **Sodium Metabisulfite, 5%** for 5 minutes.
5. Wash sections in running tap water for 2 minutes.
6. Stain in **Alcian Yellow Stain** for 5-10 minutes.
7. Wash sections well with water.
8. Stain in **Toluidine Blue Working Solution** for 3-5 minutes. **NOTE:** Do not reuse this solution!
9. Wash sections well with water.
10. Blot slides dry.
11. Dehydrate (QUICKLY), clear and mount with appropriate mounting medium.

Results:
- H. Pylori Organisms: Blue
- Mucin: Yellow
- Background: Light Blue

Kit Components and Related Control Slides:

<table>
<thead>
<tr>
<th>Avantik Item Numbers:</th>
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<tbody>
<tr>
<td><strong>Periodic Acid, 1%</strong>: RS4434-250 (250 mL)</td>
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<tr>
<td><strong>Alcian Yellow Stain</strong>: RS4389-250 (250 mL)</td>
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<tr>
<td><strong>Sodium Metabisulfite, 5%</strong>: RS4454-250 (250 mL)</td>
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<tr>
<td><strong>Toluidine Blue Stock Solution</strong>: RS4459-250 (250 mL)</td>
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<tr>
<td><strong>Sodium Hydroxide, 3%</strong>: RS4453-250 (250 mL)</td>
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<tr>
<td><strong>Helicobacter Pylori Control Slides</strong>: SL6283-A (Pack/12)</td>
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