Calcium Stain Kit (Modified Von Kossa)

Description: The Calcium Stain Kit (Modified Von Kossa) is intended for use in the histological visualization of calcium deposits in paraffin or frozen sections.

- Calcium in mass deposits: Black
- Calcium in dispersed deposits: Gray
- Nuclei: Red
- Cytoplasm: Light Pink

Uses/Limitations: Not to be taken internally.
- For In-Vitro Diagnostic use only.
- Histological applications.
- Do not use if reagents become cloudy.
- Do not use past expiration date.
- Use caution when handling reagents.
- Non-Sterile.

Control Tissue: TCS0007-5 (5 Slides)
- TCS0007-25 (25 Slides)
- Any paraffin embedded tissue that contains calcium deposits.

Ordering information regarding individual components on back page!

Kit Contents:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Components</th>
<th>Volume</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SNV125</td>
<td>Silver Nitrate Solution (5%)</td>
<td>125 ml</td>
<td>2-8°C</td>
</tr>
<tr>
<td>STB125</td>
<td>Sodium Thiosulfate Solution (5%)</td>
<td>125 ml</td>
<td>18-25°C</td>
</tr>
<tr>
<td>NFS125</td>
<td>Nuclear Fast Red Solution</td>
<td>125 ml</td>
<td>18-25°C</td>
</tr>
</tbody>
</table>

Precautions:
- Avoid contact with skin and eyes.
- Harmful if swallowed.
- Follow all Federal, State, and local regulations regarding disposal.
Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Incubate slide in Silver Nitrate Solution (5%) for 30-60 minutes while exposing to either ultraviolet light or incandescent light at 75 watts or greater. For best results, keep light source within 2 feet (61cm) of slide during Silver Nitrate staining procedure.
3. Rinse in 3 changes of distilled water.
4. Incubate slide in Sodium Thiosulfate Solution (5%) for 2 minutes.
5. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
6. Stain tissue section with Nuclear Fast Red Solution for 5 minutes.
7. Rinse for 2 minutes in running tap water followed by 2 changes of distilled water.
8. Dehydrate very quickly in 3 changes of Absolute Alcohol.

References:

Bulk Reagent Ordering Information and Current Pricing at www.scytek.com

<table>
<thead>
<tr>
<th>Description</th>
<th>Catalog #</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver Nitrate Solution (5%)</td>
<td>SNV125</td>
<td>125 ml</td>
</tr>
<tr>
<td></td>
<td>SNV500</td>
<td>500 ml</td>
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<tr>
<td>Sodium Thiosulfate Solution (5%)</td>
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<tr>
<td></td>
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<td>STB999</td>
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<tr>
<td>Nuclear Fast Red Solution</td>
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<tr>
<td></td>
<td>NFS500</td>
<td>500 ml</td>
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