Picro-Sirius Red Stain Kit (For Cardiac Muscle)

Description: The Picro-Sirius Red Stain Kit (For Cardiac Muscle) is intended for use in the histological visualization of thin septa and collagen fibers. This modification of the Picro-Sirius Red stain eliminates the yellow cytoplasmic staining that can obscure thin collagenous septa. Using this procedure easily allows viewing of collagenous septa as thin as 0.2-0.5 microns. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of the collagen fibers to distinguish between type I and type III.

**Light Microscopy**
- Collagen: Red
- Septa: Red
- Cytoplasm: Colorless to Slightly Yellow

**Polarized Light Microscopy**
- Type I (Thick fibers) Yellow-Orange Birefringence
- Type III (Thin fibers) Green Birefringence

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:
- Cardiac Muscle
- Uterus
- Lung
- Kidney

Ordering information regarding individual components on back page!

### Availability/Contents:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Kit Contents</th>
<th>Volume</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PQA250</td>
<td>Phosphomolybdic Acid Solution (0.2%)</td>
<td>250 ml</td>
<td>18-25°C</td>
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<tr>
<td>SRS250</td>
<td>Picro-Sirius Red Solution</td>
<td>250 ml</td>
<td>18-25°C</td>
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<tr>
<td>AAD250</td>
<td>Acetic Acid Solution (0.5%)</td>
<td>250 ml</td>
<td>18-25°C</td>
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</table>

Precautions:
- Avoid contact with skin and eyes.
- Harmful if swallowed.
- Follow all Federal, State, and local regulations regarding disposal.
- Use in chemical fume hood whenever possible.
Procedure:

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply adequate Phosphomolybdic Acid Solution (0.2%) to completely cover tissue section and incubate for 1-5 minutes.
3. Dip slide one time in distilled water.
4. Apply adequate Picro-Sirius Red Solution to completely cover tissue section and incubate for 60-90 minutes.
5. Rinse slide quickly in two changes of Acetic Acid Solution (0.5%).
6. Rinse slide using absolute alcohol.
7. Dehydrate in 2 changes of absolute alcohol, clear, and mount in synthetic resin.

References:


Bulk Reagent Ordering Information and Current Pricing at [www.scytek.com](http://www.scytek.com)

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