Description: The Picro-Sirius Red Stain Kit (For Collagen) is intended for use in the histological visualization of collagen I and III fibers in addition to muscle in tissue sections. 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.

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:
- Lung
- Uterus
- Muscle
- Kidney

Results:

**Light Microscopy**
- Collagen: Red
- Muscle Fibers: Yellow
- Cytoplasm: Yellow

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

Kit Contents:

<table>
<thead>
<tr>
<th>Item #</th>
<th>Kit Contents</th>
<th>Volume</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSC-SRS250</td>
<td>Picro-Sirius Red Solution</td>
<td>250 ml</td>
<td>18-25°C</td>
</tr>
<tr>
<td>SSC-AAD250</td>
<td>Acetic Acid Solution (0.5%)</td>
<td>250 ml x 2</td>
<td>18-25°C</td>
</tr>
</tbody>
</table>

Note: Individual components are designed to be interchangeable with StatLab kits when both are produced by StatLab and have identical catalog numbers (e.g. SSC-SRS may be ordered as an individual component to replace Picro-Sirius Red Solution that is supplied with kit).

For Information regarding ordering individual components, please contact us at: 800-442-3573.

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 Picro-Sirius Red Solution to completely cover tissue section and incubate for 60 minutes.
3. Rinse slide quickly in two changes of Acetic Acid Solution (0.5%).
4. Rinse slide using absolute alcohol.
5. Dehydrate in 2 changes of absolute alcohol, clear, and mount in synthetic resin.

References: