ab150681

Picro-Sirius Red Stain Kit
(Connective Tissue Stain)

Instructions for Use

For the Histological Visualization of Collagen.

This product is for research use only and is not intended for diagnostic use.
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1. Introduction

The Picro-Sirius Red Stain Kit (Connective Tissue Stain) 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.

Staining Interpretation:

**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

Control Tissue:

Lung, Uterus, Muscle, Kidney.
2. Kit Contents

<table>
<thead>
<tr>
<th>Components</th>
<th>Amount</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picro-Sirius Red Solution</td>
<td>250 ml</td>
<td>RT</td>
</tr>
<tr>
<td>Acetic Acid Solution (0.5%)</td>
<td>2 x 250 ml</td>
<td>RT</td>
</tr>
</tbody>
</table>

3. Storage and Handling

For storage temperatures please see the Table

Keep away from open flame. Refer to the Safety Data Sheet.

4. Additional Materials Required

Absolute alcohol.

Distilled water.
5. Staining Protocol

1. Deparaffinize sections if necessary and hydrate in distilled water.
2. Apply adequate Picro-Sirius Red Solution to completely cover the tissue section and incubate for 60 minutes.
3. Rinse slide quickly in 2 changes of Acetic Acid Solution.
4. Rinse slide in absolute alcohol.
5. Dehydrate in 2 changes of absolute alcohol.
6. Clear slide and mount in synthetic resin.
6. Reference Image

Figure 1 Staining of Human Uterus using ab150681 – Picro-Sirius Red Stain Kit

For further technical questions please do not hesitate to contact us by email (technical@abcam.com) or phone (select “contact us” on www.abcam.com for the phone number for your region).
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