

SOP
#0

Subject **Picro-Sirius Red Stain**

Sheet **1** of **2**

Rev 0	Effective Date	Author
10/26/2017	10/26/2017	Fimbres

1. PURPOSE

The purpose of Picro-Sirius Red is to differentiate collagen and muscle.

2. SCOPE

3. REFERENCE DOCUMENTS

4. RESPONSIBILITIES

This SOP can be carried out by someone who has seen it done before and has knowledge of histology and knows the results of the tissue colors.

5. MATERIALS and EQUIPMENT

Weigert's Hematoxylin Parts A and B (Newcomer Supply ref#1409B)

Picro-Sirius Red stain (Fisher – NC9746363)

1% Acetic acid

Oven

Running distilled water

Running tap water

70% ethanol

95% ethanol

2x 100% ethanol

3x xylene

Coverslips

Mounting media

Gloves

6. SAFETY AND CAUTIONARY NOTES

MSDS attached

7. PROCEDURE

7.1 Bake slides for 15 minutes at 60-65 °C

7.2 Deparaffinize slides and hydrate to distilled water

7.3 Place slides into Weigert's for 5 minutes

7.4 Rinse in running tap water for 1 minute

7.5 Place slides into PSR solution for 1 hour

7.6 Rinse slides

- 7.7** Place slides into 1% acetic acid for 15-30 seconds (red intensity dependent)
- 7.8** Rinse slides in distilled water for 30 seconds
- 7.9** Dehydrate slides in increasing grades of ethanol
- 7.10** Clear slides with three changes of xylene
- 7.11** Mount and coverslip