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Instructions For Use

PSR-IFU

205 South 600 West Logan, Utah 84323, U.S.A. – Tel. (800) 729-8350 – Tel. (435) 755-9848 – Fax (435) 755-0015 – www.scytek.com Rev. 5, 7/25/2022

Picro-Sirius Red Stain Kit (For Collagen)

Description and Principle

The Picro-Sirius Red Stain Kit (For Collagen) is intended for use in the histological visualization of muscle and collagen fibers in tissue sections. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of collagen fibers.

Collagen and reticular fibers are selectively stained by Sirius Red in a strongly acidic solution saturated with picric acid. Sirius Red binds to collagen in a highly ordered parallel manner enhancing the natural birefringent properties of collagen.

Expected Results

Light Microscopy

Collagen:	Red
Muscle Fibers:	Yellow
Cytoplasm:	Yellow

Polarized Light Microscopy

Collagen: Yellow-Orange and Green Birefringence

Kit Contents

1. Picro-Sirius Red Solution
2. Acetic Acid Solution (0.5%)

Storage

- 18-25°C
- 18-25°C

Suggested Controls (not provided)

Lung, Uterus, Muscle, Kidney.

Uses/Limitations

For In-Vitro Diagnostic use only.

Do not use if reagents become cloudy or precipitate

Do not use past expiration date.

Use caution when handling reagents.

Non-Sterile

Intended for FFPE sections cut at 5-10µm.

This procedure has not been optimized for frozen sections.

Frozen sections may require protocol modification.

Storage

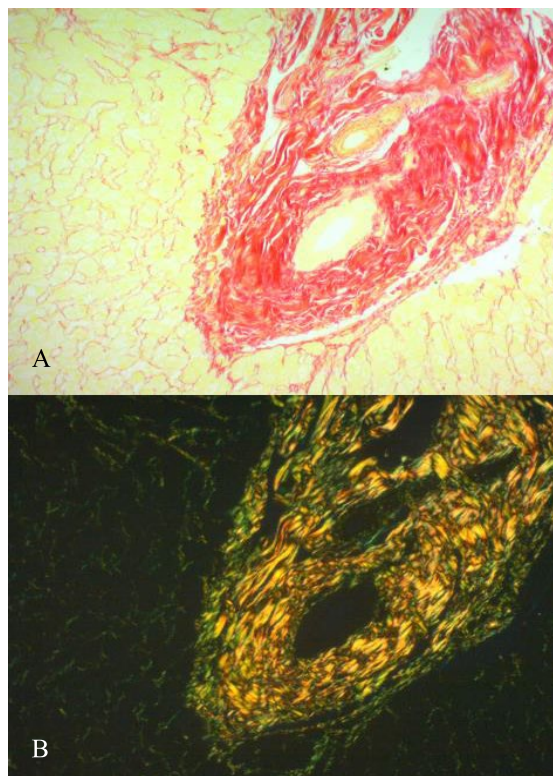
Store kit and all components at room temperature (18-25°C).

Safety and Precautions

Please see current Safety Data Sheets (SDS) for this product and components GHS classification, pictograms, and full hazard/precautionary statements.

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.



Collagen in human liver demonstrated with Picro-Sirius Red and viewed under A) Brightfield, and B) Polarized light.

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