

# Picro-Sirius Red Stain Kit (For Collagen)

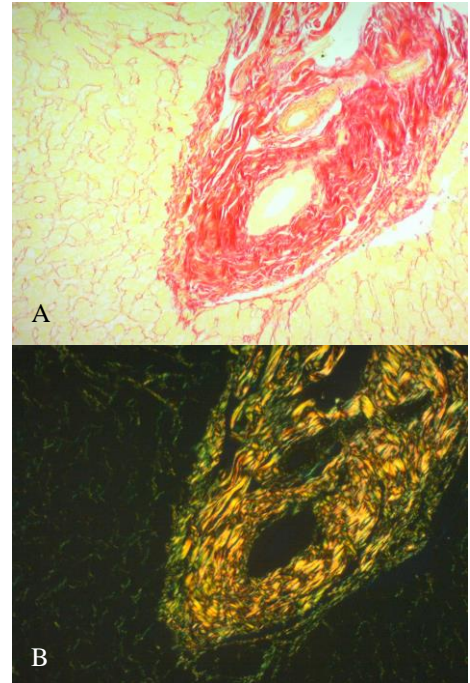
**Description:** The Picro-Sirius Red Stain Kit (For Collagen) is intended for use in the histological visualization of muscle and collagen fibers in tissue sections. The PSR stain may be viewed using standard light microscopy or polarized light resulting in birefringence of collagen fibers.

**Light Microscopy**

Collagen:	Red
Muscle Fibers:	Yellow
Cytoplasm:	Yellow

**Polarized Light Microscopy**

Collagen: Yellow-Orange and Green Birefringence



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

**Uses/Limitations:** Not to be taken internally.  
For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use if reagents become cloudy.  
This protocol has not been tested on and may not be suitable with frozen sections  
Do not use past expiration date.  
Use caution when handling reagents.  
Non-Sterile.

**Control Tissue:** Lung  
Uterus  
Muscle  
Kidney


**Contents:**

<u>Item #</u>	<u>Kit Contents</u>	<u>PSR-1</u>	<u>PSR-2</u>	<u>Storage</u>
SRS	Picro-Sirius Red Solution	250mls	30mls	18-25°C
AAD	Acetic Acid Solution (0.5%)	2 x 250mls	2 x 30mls	18-25°C


**Ordering information regarding individual components on back page!**

**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.

Storage: 18° C  25° C

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# Instructions For Use PSR-IFU

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**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:**

1. Puchtler H., Waldrop F.S., Valentine L.S. Polarization microscopic studies of connective tissue stained with picro-sirius red FBA. Beitr Path. 1973; 150, pages 174-187.
2. Junqueira L.C.U., Bignolas G., Brentani R.R. Picrosirius staining plus polarization microscopy, a specific method for collagen detection in tissue sections. Histochemistry J. 1979, 11, pages 447-455.
3. Whittaker P. Polarized light microscopy in biomedical research. Microscopy and Analysis 1995; 44, pages 15-17.

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

Description:	Catalog #	Volume
Picro-Sirius Red Solution	SRS250	250 ml
	SRS500	500 ml
	SRS999	1000 ml
Acetic Acid Solution	AAD250	250 ml
	AAD500	500 ml
	AAD999	1000 ml

Storage: 18° C  25° C



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