



Instructions For Use SRF-IFU		
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## Schiff's Solution (For PAS Staining)

**Description:** *Schiff's Solution is a component of the Periodic Acid Schiff's procedure that is intended for use in histological demonstration of lymphocytes and mucopolysaccharides. The staining pattern of the lymphocytes are helpful in making therapeutic decisions in established cases of lymphocytic leukemia. The PAS reaction in tissue sections is useful for the demonstration of mucopolysaccharides. PAS staining may also be used for the demonstration of fungal organisms in tissue sections.*

PAS Positive Material: *Magenta*  
Nuclei: *Black/Blue (Hematoxylin)*

**Uses/Limitations:** *For In-Vitro Diagnostic use only.  
Histological applications.  
Do not use past expiration date.  
Use caution when handling these reagents.*

**Storage:** *2-8° Centigrade*

**Control Tissue:** *Kidney, Intestine, Liver*


### Availability/Contents:


Item #	Volume
SRF250	250 ml
SRF500	500 ml
SRF999	1000 ml

### Required But Not Included:

Item #	Description
PAQ	Periodic Acid Solution
HMM	Hematoxylin, Mayer's
BRT	Bluing Reagent

**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.  
Wear protective clothing.*

Storage: 2° C  8° C

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - [www.scytek.com](http://www.scytek.com)**Procedure for PAS Stain):**

1. *Deparaffinize sections if necessary and hydrate to distilled water.*
2. *If sections are Zenker-fixed, remove mercuric chloride crystals using iodine and clear with sodium thiosulfate. Rinse in running tap water.*
3. *Immerse slide in Periodic Acid Solution (PAQ250) for 5 minutes (10 minutes for Kidney, skin and diastase digested liver sections).*
4. *Rinse slide in 4 changes of distilled water.*
5. *Immerse slide in Schiff's Solution (SRF250) for 15 minutes (30 minutes for Kidney, skin and diastase digested liver sections).*
6. *Rinse slide in hot running tap water. If visible crystal precipitate remains on slide, continue with rigorous rinsing in warm tap water until clear.*
7. *Rinse slide in distilled water.*
8. *Stain slide in Hematoxylin, Mayer's (HMM125) for 2-3 minutes.*
9. *Rinse slide in running tap water for 2-3 minutes.*
10. *Apply Bluing Reagent (BRT125) for 30 seconds.*
11. *Rinse in distilled water.*
12. *Dehydrate through graded alcohols.*
13. *Clear, and mount in synthetic resin.*

**References:**

1. *Culling CFA, Allison RT, Barr WT.: Cellular Pathology Technique, 4<sup>th</sup> Edition. Butterworths, Pages 216-220, 1985.*
2. *Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2<sup>nd</sup> Edition. CV Mosby, Columbus, OH. Pages 164-167, 1980.*

Storage: 2° C



8° C



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