



Instructions For Use NYS-IFU		
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Naphthol Yellow S Solution

Description: Naphthol Yellow S Solution is a component of the Pneumocystis Stain Kit (Cat# PCS-1) which is intended for use in the histological visualization of Pneumocystis carinii in cytology smears, and paraffin or frozen tissue sections. Naphthol Yellow S Solution is the component responsible for staining the Erythrocytes yellow.

Pneumocystis carinii:	Violet / Purple
Connective Tissue:	Blue / Green
Erythrocytes:	Yellow
Mucin:	Rose / Purple
Cartilage:	Rose / Purple

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

Control Tissue: Any prepared slide that contains Pnuemocystis carinii.

Contents:


<u>Item #</u>	<u>Contents</u>	<u>Volume</u>	<u>Storage</u>
NYS125	Naphthol Yellow S Solution	125 ml	Room Tempaure
NYS500		500 ml	
NYS999		1000 ml	

Required But Not Included:

CEA125	Cresyl Echt Violet Solution (0.1%) Glacial Acetic Acid Sulfuric Acid	125 ml	2-8° Centigrade
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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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 2513 BH Hague, The Netherlands

Preparation of Sulfation Reagent Prior to Beginning (Not Included):

NOTE: Wear protective clothing, gloves, and eyewear when mixing and handling this reagent. Make fresh for each use.

1. Pour 15 ml of Glacial Acetic Acid into the Staining Jar provided with this kit.
2. Slowly add 5 ml of Sulfuric Acid to the Staining Jar.
3. Screw cap tightly on staining jar and invert several times to thoroughly mix acids.
4. Wait 5-10 minutes before proceeding with stain procedure to allow mixed acids to cool.
5. Use Staining Jar only for Sulfation procedure.

Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Place slide in freshly mixed Sulfation Reagent for 10 minutes. **Note:** Agitate Staining Jar every few minutes to keep acids mixed.
3. Rinse in several changes of distilled water.
4. Incubate slide in Cresyl Echt Violet Solution (0.1%) for 10-15 minutes. **Note:** Agitate slide several times during incubation step.
5. Rinse quickly in distilled water.
6. Dip slide in Naphthol Yellow S Solution for **4 seconds**. **Note:** Excessive Naphthol Yellow S Solution decolorizes Pneumocystis.
7. Rinse very quickly in distilled water.
8. Dehydrate very quickly in 2 changes of fresh Absolute Alcohol. Alternative Method: Dip slide twice in Absolute Alcohol and air-dry slide.
9. Clear, and mount in synthetic resin.

References:

1. Sheenan, D.C., Hrapchak, B.B. Theory and Practice of Histotechnology, 2nd Edition. Battelle Press, Columbus, OH.

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