

Pneumocystis Stain Kit

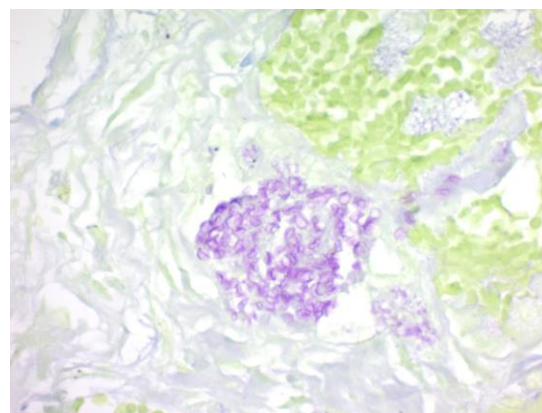
Description: The Pneumocystis Stain Kit is intended for use in the histological visualization of Pneumocystis carinii in cytology smears, and paraffin or frozen tissue sections.

Uses/Limitations: Not to be taken internally. For In-Vitro Diagnostic use only. Histological applications. Do not use if reagents become cloudy. Do not use past expiration date. Use caution when handling reagents. Non-Sterile.

Control Tissue: Any prepared slide that contains Pnuemocystis carinii.

Results:

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



Kit Contents:

<u>Item #</u>	<u>Description</u>	<u>Volume</u>	<u>Storage</u>
SSC-CEA125	Cresyl Echt Violet Solution (0.1%)	125 ml	2-8°C
SSC-NYS125	Naphthol Yellow S Solution	125 ml	18-25°C
	Staining Jar	60 ml	

Mixed Storage Conditions. Separate Contents.

For information regarding ordering individual components, please contact us at: 800-442-3573.

Control Slides Available. Catalog: CS-PNEU/25, Pneumocystis, 25/pack

Required but not included:

<u>Item #</u>	<u>Description</u>
00100-16	Glacial Acetic Acid
N/A	Sulfuric Acid

Precautions: Avoid contact with skin and eyes.
 Harmful if swallowed.
 Follow all Federal, State, and local regulations regarding disposal.

2090 Commerce Drive | McKinney, Texas 75069

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

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:

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 3 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. Apply Naphthol Yellow S Solution to tissue section for no longer than **4 seconds**. **Note:** Excessive Naphthol Yellow S Solution decolorizes Pneumocystis.
7. Rinse very quickly using absolute alcohol.
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.



Lot-to-Lot Validation Form
Pneumocystis Stain Kit Catalog: SSK-PNEUMO

Kit Lot Number: _____
Kit Expiration Date: _____
Date Tested: _____
Control Tissue (#) _____
Approved for Use: Y/N _____
Date put into use: _____

If not approved,
corrective actions
taken: _____

Approved by: _____

Kit Component	Lot #
Cresyl Echt Violet (0.1%)	_____
Naphtha Yellow S Solution	_____

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Cresyl Echt Violet (0.1)				
Naphthol Yellow S Sol.				
Approved By: _____				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.