

Warthin-Starry Stain Kit

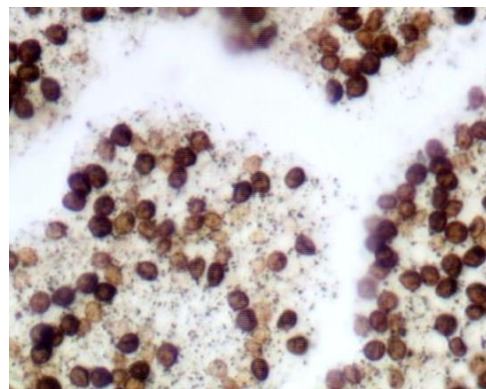
Description: The Warthin-Starry Stain Kit is intended for use in the visualization of Spirochetes, *Helicobacter pylori*, *Legionella pneumophila*, and Cat Scratch Fever bacteria. This kit may be used on formalin-fixed, paraffin-embedded or frozen sections.

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 well fixed tissue.

Results:

<i>Helicobacter pylori</i> :	Black
<i>Legionella pneumophila</i> :	Black
Spirochetes:	Black
Cat Scratch Fever Bacteria:	Black
<i>Klebsiella</i> :	Brown/Black
Nuclei:	Brown
Background:	Yellow



Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-SSE125	SpiroPrep	125 ml	18-25°C
SSC-GSA065	Gelatin (4%), Acidulated	2x65 ml	2-8°C
SSC-SNB125	Silver Nitrate Solution (0.5%), Acidulated	125 ml	2-8°C
SSC-HSA030	Hydroquinone Solution (0.1%), Acidulated	2x30 ml	2-8°C
SSC-SNA030	Silver Nitrate Solution (2%), Acidulated	30 ml	2-8°C

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

Control Slides Available. Catalog: CS-SPIRO/25, Spirochete, 25/box and CS-HELI/25, *Helicobacter Pylori*, 25/box

Precautions:

- Keep away from open flame.
- 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.



Instructions For Use **IFU-075** **SSK-WARTHSTARR**

Rev. Date: Aug. 17, 2016 **Revision: 3** Page 2 of 4

Preparation of Reducing Solution Prior to Beginning:

1. Warm Gelatin (4%), Acidulated to liquify prior to beginning. Prepare Reducing Solution in an unused plastic Slide Jar.
2. Combine:

12.5 ml	Gelatin (4%), Acidulated
20-30 Drops	Silver Nitrate Solution (2%), Acidulated
7.5 ml	Hydroquinone Solution (0.1%), Acidulated

Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. For spirochete staining only, place slide in room temperature SpiroPrep for 5 minutes (Omit this step for other listed bacteria). Note: Use of SpiroPrep will not affect staining of *Helicobacter pylori*, *Legionella pneumophila*, or Cat Scratch Fever bacteria.
3. Pour 20ml of Silver Nitrate Solution (0.5%), Acidulated in an unused plastic staining jar and place in a waterbath at 65-70°C for 5 minutes.
4. Place slide in warmed Silver Nitrate Solution (0.5%), Acidulated and incubate for 3-5 minutes with repeated agitation.
5. Transfer slide into previously prepared Reducing Solution and agitate. Place staining jar in a waterbath at 65-70°C with frequent agitation until tissue section is brown (approximately 1-5 minutes).
6. Rinse slide carefully in hot tap water for 2 minutes.
7. Dehydrate slide through 3 changes of fresh Absolute Alcohol.
8. Clear and mount in synthetic resin.

Rapid Procedure (Microwave Oven):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. For spirochete staining only, place slide in room temperature SpiroPrep for 5 minutes (Omit this step for other listed bacteria). Note: Use of SpiroPrep will not affect staining of *Helicobacter pylori*, *Legionella pneumophila*, or Cat Scratch Fever bacteria.
3. Pour 20ml of Silver Nitrate Solution (0.5%), Acidulated in an unused plastic staining jar and microwave at full power for 30 seconds. Invert several times to equalize temperature.
4. Place slide in warmed Silver Nitrate Solution (0.5%), Acidulated and incubate for 5 minutes with repeated agitation.
5. Warm previously prepared Reducing Solution in microwave at full power for 20 seconds. Invert several times to equalize temperature.
6. Transfer slide into warmed Reducing Solution and with frequent agitation until tissue section is brown (approximately 2-5 minutes).
7. Rinse slide carefully in hot tap water for 2 minutes.
8. Dehydrate slide through 3 changes of fresh Absolute Alcohol.
9. Clear and mount in synthetic resin.

References:

1. Kerr, D.A. Improved Warthin-Starry method for tissue sections; American Journal of Clinical Pathology, 1938, Vol. 8: pages 63-67.



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Rev. Date: Aug. 17, 2016 **Revision: 3** Page 4 of 4

Lot-to-Lot Validation Form Warthin-Starry Stain Kit Catalog: SSK-WARTHSTARR

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:	
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Approved by: _____

Kit Component	Lot #
SpiroPrep	_____
Gelatin (4%) Acidulated	_____
Silver Nitrate (0.5%) Acidulated	_____
Hydroquinone (0.1%) Acidulated	_____
Silver Nitrate (2%) Acidulated	_____

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
SpiroPrep				
Gelatin (4%) Acidulated				
Silver Nitrate (0.5%) Acidulated				
Hydroquinone (0.1%) Acidulated				
Silver Nitrate (2%) Acidulated				
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.