

Instructions For Use				
CSK-1-IFU				
v. Date: June 1, 2011	Revision: 2	Page 1 of 2		
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Re

# Copper Stain Kit (For Microwave)

Description:	The Copper Stain Kit (For Microwave) is intended for the demonstration of copper deposits in
	tissue sections.

	Copper Deposits: Nuclei:	Light Brown to Red Blue
Uses/Limitations:	Not to be taken internally. For In-Vitro Diagnostic use Histological applications.	

Do not use past expiration date. Use caution when handling reagents.

**Control Tissue:** Fetal Liver or a known positive.

Non-Sterile

### Availability/Contents:

<u>Item #</u>	<u>Kit Contents</u>	Volume	<u>Storage</u>
RSS030	Rhodanine Solution (Stock)	30 ml	2-8℃
SAB500	Acetate Buffer Solution, pH 8.0	2 x 500 ml	18-25℃
HMM125	Hematoxylin, Mayer's (Lillie's Mod.)	) 125 ml	18-25℃
Precautions:	Keep away from open flame. Avoid contact with skin and eyes. Harmful if swallowed. Follow all Federal, State, and local Use in chemical fume hood whenew		ding disposal.

## **Procedure (Standard):**

## Prepare Working Rhodanine Solution:

Combine:

4 ml Rhodanine Solution (Stock). Shake Stock Solution immediately before adding to Acetate Buffer.46 ml Acetate Buffer Solution, pH 8.0

- 1. Deparaffinize sections if necessary and hydrate to distilled water.
- 2. Place loosely capped staining jar containing Working Rhodanine in microwave and heat solution until warm but not hot.
- 3. Place slide in warmed Working Rhodanine Solution and microwave at full power until solution is hot. Do not allow solution to boil.
- 4. Cap container, gently agitate to mix evenly, and allow solution to cool on countertop to room temperature with occasional agitation.
- 5. Examine slide microscopically and repeat heating/cooling cycle (steps 3 & 4) until desired staining intensity is achieved.

$25^{\circ}$	С	

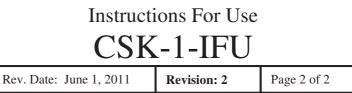
Storage: 2° C A Mixed Storage Conditions. Separate Contents. Do: IFU-TemplateMixedStoragerev2

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- 6. Rinse slide in 2 changes of Acetate Buffer Solution, pH 8.0 for 1 minute each.
- 7. Stain tissue section with Hematoxylin, Mayer's (Lillie's Modification) for 5-10 seconds.
- 8. Rinse slide in 3 changes of Acetate Buffer Solution, pH 8.0 for 1 minute each.
- 9. Dehydrate slide in 3 changes of absolute alcohol.
- 10. Clear in 2 changes of xylene or xylene substitute, and mount in synthetic resin.

#### **References:**

- 1. Sheehan, DC., Hrapchak, BB. Theory and Practice of Histotechnology; 1980, page 230.
- 2. Lindquist, RR. Studies on the Pathogenesis of Hepatolenticular II: Cytochemical methods for the location of copper. Arch Pathol; 1969, Volume 87: page 370.



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