



Copper Stain Kit, Rhodanine

Solutions Provided:

#SSC1116-250 - **Rhodanine Stock Solution**

#SSC1059-250 - **PureView™ Hematoxylin (Modified Mayer's)**

#SSC1125-250 - **Sodium Borate, 0.5%**

Working solution preparation (*prepare just before use*):

Working Rhodanine Solution

Rhodanine Stock Solution: 3mL

Distilled Water: 47mL

Dilute Hematoxylin Solution

PureView™ Hematoxylin (Modified Mayer's): 25mL

Distilled Water: 25mL

Filter before use

Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Fill *plastic* coplin jar with 50mL of **Working Rhodanine Solution** and place slides into the jar. Leave for **18 hours at 37°C**
3. Thoroughly rinse slides in several changes of distilled water.
4. Stain slides in **Dilute Hematoxylin Solution** for **10 minutes**.
Do not overstain with the hematoxylin solution or the copper may become masked by the stain.
5. Rinse excess hematoxylin in distilled water.
6. Quickly rinse sides in **0.5% Sodium Borate Solution**.
7. Thoroughly rinse slides in distilled water
8. Dehydrate slides in 2 changes each of 95% alcohol and 100% alcohol.
9. Clear and mount with appropriate mounting medium.

Results:

Copper: Red

Nuclei: Light Blue

