



## SULFATED ALCIAN BLUE AMYLOID STAIN KIT PROCEDURE

Item# **CUKTABS**

(Revised 03/7/18)

<b>KIT COMPONENTS INCLUDED:</b>	<b>100 ml ALCIAN BLUE SOLUTION</b>	<b>100 ml SODIUM SULFATE SOLUTION</b>
	<b>100 ml ACETIC ALCOHOL</b>	<b>100 ml SATURATED BORAX SOLUTION</b>
	<b>100 ml WEIGERT'S HEMATOXYLIN "A"</b>	<b>100 ml WEIGERT'S HEMATOXYLIN "B"</b>
	<b>100 ml SATURATED PICRIC ACID</b>	<b>100 ml VAN GIESON'S STAIN</b>

**PRINCIPLE:** This stain kit demonstrates amyloid.

**SPECIMEN:** Any thoroughly fixed paraffin embedded tissue cut at 5 to 6 microns.

**QUALITY CONTROL:** American Master\*Tech, Inc. Recommended Control Slide: Amyloid, CSA0425P

**SAB Staining Solution:** NOTE: Prepare solution fresh and let stand for 30 minutes before use.

Put 20.0 ml of **ALCIAN BLUE SOLUTION** in a suitable container; add 20.0 ml of **SODIUM SULFATE SOLUTION** and mix thoroughly. Next add 4.5 ml of **Glacial Acetic Acid** (not included in kit) and mix thoroughly. Allow solution to stand for 30 minutes before use.

### **PROCEDURE:**

1. Deparaffinize section using Xylene or Xylene Substitute and hydrate through alcohols as usual.
2. Rinse slide thoroughly in Distilled water.
3. Rinse slide in running Tap water for 10 minutes.
4. Place slide in **ACETIC ALCOHOL** for 2 minutes.
5. Place slide in **SAB Staining Solution** for 2 hours.
6. Place slide in **ACETIC ALCOHOL** for 2 minutes.
7. Rinse slide thoroughly in Distilled water.
8. Place slide in **SATURATED BORAX SOLUTION** for 30 minutes.
9. Rinse slide thoroughly in Distilled water.
10. Place slide in working **WEIGERT'S HEMATOXYLIN** for 5 minutes. (NOTE: Preparation instructions are on product label.)
11. Rinse slide in Tap water for 5 minutes.
12. Place one slide at a time in **SATURATED PICRIC ACID** for 20 seconds.
13. Rinse slide quickly in Distilled water.
14. Place slide in **VAN GIESON'S STAIN** for 3 minutes.
15. Dehydrate quickly in 95% Reagent Alcohol.
16. Dehydrate through 3 changes of fresh Absolute Alcohol.
17. Clear through 3 changes of fresh Xylene or Xylene Substitute.
18. Coverslip using a permanent mounting media.

### **RESULTS:**

Recent amyloid, mast cell granules,  
certain mucins and colloids: **BRIGHT JADE GREEN**  
Old amyloid: **PALE GREY**  
Collagen: **RED**  
Muscle and fibrin: **YELLOW**

**REFERENCE:** Journal of Clinical Pathology; 1976; 29:22-26.

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