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## **E-327 ALDEHYDE FUCHSIN-ALCIAN BLUE METHOD**

**Fixation: 10% Buffered Neutral Formalin,(F-113)**

**Sections: Paraffin @ 6 microns**

### **PROCEDURE:**

1. Deparaffinize and hydrate to distilled water.
2. Rinse in **Reagent Alcohol, 70%**, (E-327-3).
3. Stain for 30 minutes in **Aldehyde Fuchsin Solution**, (E-327-2). Rinse in **Reagent Alcohol, 70%** (E-327-3), rinse in distilled water, several changes, for 5 minutes.
4. Stain for 30 minutes in **Alcian Blue Solution**, (E-327-1). Rinse in distilled water.
5. Dehydrate in 95% alcohol, absolute alcohol, and clear in xylene 2 changes each.
6. Mount with **Permount**, (M-18).

### **Stain Results:**

Strongly acidic sulfated mucosubstances and elastica	Deep Purple
Less strongly acidic sulfated mucosaccharide or mixed sulfated and carboxylic mucosubstances	Blue to deep purple
Nonsulfated acid mucosubstances	Blue

### **References:**

Spicer , S. S. and Meyer, D.B., Techn. Bull. Regist. Med. Techn., 30: 53-60, 1960.  
Luna, L.G., (ed.) Manual of Histologic Staining Methods of the AFIP, 3<sup>rd</sup>. ed., McGraw-Hill, NY, p. 165, c1968.