

## **Amyloid Stain Kit (Congo Red)**

### **DESCRIPTION**

Amyloid Stain Kit (Congo Red) is used in the detection of amyloid deposits or amyloidosis. Amyloidosis is when an abnormal protein called amyloid builds up in your tissues and organs. This build up will affect their shape and how they function. It is a serious health condition that can lead to life threatening organ failure.

There are various types of amyloidosis. This disease can affect various organ/tissues depending on the type, including renal, cardiac, hepatic and gastrointestinal tissues as well as bones, joints and tendons.

#### Recommended:

Select a known tissue that contains amyloidosis as a control tissue.

Cut formalin fixed, paraffin embedded tissue, as well as, frozen tissue at 10 microns.

### **PROCEDURE**

1. Deparaffinize and hydrate sections to water (*if using frozen tissue, skip Step 1 and go to Step2*)
2. Stain in Solution A for 30 minutes
3. Rinse in distilled water
4. Differentiate in Solution B for 5 seconds or 10 dips (whichever comes first)
5. Rinse in tap water for 2 minutes
6. Counterstain with Solution C for 30 seconds
7. Rinse in tap water for 5 minutes
8. Place in ammonia water or bluing solution for 30 seconds
9. Rinse in tap water for 5 minutes
10. Dehydrate, clear and mount with resin

### **RESULTS**

Amyloid, elastic fibers and eosinophil granules – Stain red

Nuclei – Stain blue

## STORAGE AND HANDLING

Store at room temperature

## ORDERING INFORMATION

Catalog No.	Description	Packaging Size
24614-1	Amyloid Stain Kit	1 Kit
24605-1	Scott's Bluing Reagent	1 Gallon

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