



## Amyloid Stain Kit, Congo Red, Puchtler

### Solutions Provided:

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

#SSC1043-250 - **Alcoholic Sodium Chloride Solution**

#SSC1127-250 - **Sodium Hydroxide, 1%**

#SSC1063-250 - **Congo Red Stock Solution, Puchtler**

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

#### **Alkaline Sodium Chloride Solution**

Alcoholic Sodium Chloride: 50mL

Sodium Hydroxide: 0.5mL

#### **Alkaline Congo Red Solution**

Congo Red Stock: 50mL

Sodium Hydroxide: 0.5mL

### Conventional Procedure

1. Deparaffinize and hydrate sections through alcohol to distilled water.
2. Stain sections in **PureView™ Modified Mayer's Hematoxylin** for **3-6 minutes** depending on your preference of intensity.
3. Rinse in running tap water for several minutes.
4. Place slides in **Alkaline Sodium Chloride Solution** for **20 minutes**.
5. Stain slides in **Alkaline Congo Red Solution** for **20 minutes**.
6. Dehydrate rapidly in 3 changes of 100% alcohol.
7. Clear and mount with appropriate mounting medium.

### Results:

Amyloid: Pink-Red

Nuclei: Blue

### Notes:

1. The use of thick tissues sections (8-10 microns) is crucial in obtaining accurate results.
2. When examining sections under polarized light, Amyloid deposits will exhibit Apple Green birefringence.

