

# medilines

## Congo Colour

### DESIGN TO SHOW

Amyloid

### REAGENTS & PREPARATIONS

<b>CR Solution 1</b>	:	Ready to use
<b>CR Solution 2</b>	:	Ready to use
<b>CR Solution 3</b>	:	Ready to use

### TISSUE SAMPLE

4-5 $\mu$  paraffin sections of neutral buffered formalin fixed tissue are suitable. Other fixatives are likely to be satisfactory.

### STAINING PROCEDURES

1. Remove Paraffin and bring sections to distilled water.
2. Place into **CR Solution 1** for 10-15 minutes.
3. Differentiate in **CR Solution 2** (about 5-30 seconds).
4. Rinse well with tap water.
5. Stain with **CR Solution 3** for 5 min., differentiate and blue.
6. Dehydrate with ethanol.
7. Clear with xylene and mount with a resinous medium (DPX).

### Expected results

Amyloid, Elastic Fibres, Eosinophil Granules	– orange red
Nuclei	– blue
Background	– colourless

### Notes

1. Amyloid displays apple green birefringence when viewed with crossed polarisers, one above and one below the section.

### Reference

**Highman, B.**, (1946),  
*Improved methods for demonstrating amyloid in paraffin sections*,  
*Archives of Pathology*, v **41**, page 559  
**Bancroft, J. D. and Stevens, A.**  
*Theory and practice of histological techniques*,  
Churchill Livingstone, London, England