

Highman's Congo Red Stain Kit

CONG-KHI-100

Storage conditions

Store at 15 - 25 °C, protected from fire and sunlight. Stability of 2 years under recommended storage conditions.

Procedure duration

~20 min.

Content

- A. Congo red staining solution according to Highman (50 ml)
- B. Potassium hydroxide solution (50 ml)

Application

Staining method for amyloid deposits in tissues. Suitable for paraffin sections fixed in 10% formalin. Amyloid deposits are formed in tissues spontaneously or in association with a wide range of diseases. In cases of suspected amyloidosis, sections of 12 µm would be recommended for demonstrating the presence of such deposits of amyloid.*

*All reagents have been optimally prepared for use and require no mixing or diluting.

**Use positive charged slides to avoid loss of tissue section

Method

1. Deparaffinize and bring sections to distilled water
2. Stain with reagent A for 10 min
3. Rinse with distilled water
4. Differentiate with reagent B for 10-40s (to be determined according current laboratory requirements)

Optional: Nuclei staining in Gill-2, Gill-3 or Mayer's haematoxylin for 3-5 min

5. Wash with tap water for 5 min
6. Dehydrate through ascending alcohols. Clear with Xylene, mount (optional) and examine

Visualization

Amyloid: Pink to red (apple-green birefringence with polarized light)

Nuclei: Blue if contra-stained