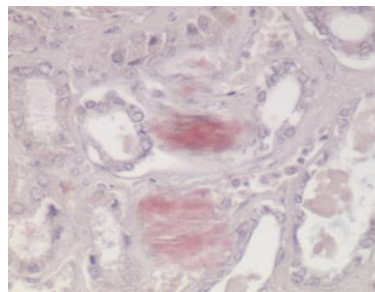


Amyloid Stain Kit (Congo Red)

Description: The Amyloid Stain Kit (Congo Red) is intended for use in the histological visualization of amyloid in tissue sections. Examination under a polarizing microscope results in green birefringence of amyloid.

Uses/Limitations: Not to be taken internally. For In-Vitro Diagnostic use only. Histological applications. Do not use past expiration date. Use caution when handling these reagents. Non-Sterile.

Control Tissue: Freshly cut sections containing amyloid. Cut sections 6-12 microns to show smaller amyloid deposits.



Results:

Amyloid:	Red to Pink
Erythrocytes:	Light Orange
Eosinophil Granules:	Orange to Red
Nuclei:	Blue

Kit Contents:

<u>Item #</u>	<u>Kit Contents</u>	<u>Volume</u>	<u>Storage</u>
SSC-CRA500	Congo Red Solution	500 ml	18-25°C
SSC-HMM500	Hematoxylin	500 ml	18-25°C
SSC-BRT500	Bluing Reagent	500 ml	18-25°C

For information regarding ordering individual components, please contact us at: **800-442-3573**.

Control Slides Available. Catalog: **CS-AMYL/25, Amyloid, 25/pack**

Precautions: Congo Red Solution is flammable. Keep away from open flame. Avoid contact with skin and eyes. Harmful if swallowed. Follow all Federal, State, and local regulations regarding disposal. Use in chemical fume hood whenever possible.

Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.

2. Stain slide with Hematoxylin for 5 minutes.
3. Rinse slide in tap water.
4. Incubate slide in Bluing Reagent for 30 seconds.
5. Rinse slide in distilled water.
6. Dip slide in 95% alcohol for 5 seconds.
7. Stain slide with Congo Red Solution for 20 minutes. **Note:** Monitor slide and add more stain as needed to prevent evaporation. Nonspecific staining may occur if reagent dries on slide.
8. Dip twice (quickly) in 100% alcohol.
9. Dip repeatedly (4-5 dips) in clearing agent, and mount in synthetic resin.

References:

1. Puchtler, H, et al: On the binding of Congo Red amyloid. J. Histochem. Cytochem. Vol. 10: pages 355-363, 1962.
2. Eastwood, H. & Cole, K.R., Staining of amyloid in buffered Congo Red in 50% ethanol. Stain Technology. Vol. 46: pages 208-209, 1971.
3. Carson, F.L., Histotechnology; A Self-Instructional Text, 2nd Edition. ASCP Press, Chicago, IL. Pages 117-121, 1996.
4. Churukian, C., Improved Puchtler's Congo Red method. J. of Histotechnology. Vol. 23: pages 139-141, 2000.



Lot-to-Lot Validation Form
Amyloid Stain Kit (Congo Red) Catalog: SSK-AMYL

Kit Lot Number: _____
Kit Expiration Date: _____
Date Tested: _____
Control Tissue (#) _____
Approved for Use: Y/N _____
Date put into use: _____

If not approved,
corrective actions
taken: _____

Approved by: _____

Kit Component	Lot #
Congo Red Solution	_____
Hematoxylin, Mayer's	_____
Bluing Reagent	_____

Replacement Component if used	Replacement Date	Lot #	Accepted Y/N	Comments
Congo Red Solution				
Hematoxylin, Mayer's				
Bluing Reagent				
Approved by: _____				

StatLab is providing this form to assist with reagent lot validation as stated in CLIA'88 Standard 493.1256-For reagent(s), the laboratory must do the following: Check each batch (prepared in-house), lot number (commercially prepared) and shipment of reagents, stains, and identification systems (systems using two or more substrates or two or more reagents, or a combination) when prepared or opened for positive and negative reactivity, if applicable.