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| Instructions For Use AMY-2-IFU | | |
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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

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.

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

Uses/Limitations: For In-Vitro Diagnostic use only.
Histological applications.
Do not use past expiration date.
Use caution when handling these reagents.


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


Availability/Contents:

| <u>Item #</u> | <u>Kit Contents</u> | <u>Storage Conditions</u> |
|---------------|-------------------------------|---------------------------|
| CRA030 | Congo Red Solution (30 ml) x2 | Room Temperature |
| HMM030 | Hematoxylin (30 ml) | Room Temperature |
| BRT030 | Bluing Reagent 30 ml) | Room Temperature |

Required but not included: 95% Ethyl Alcohol
100% Ethyl Alcohol

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.

Storage: 18° C  25° C

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Procedure (Standard):

1. Deparaffinize sections if necessary and hydrate to distilled water.
2. Apply 4-6 drops of Hematoxylin and incubate for 5 minutes.
3. Rinse slide in tap water.
4. Apply 4-6 drops of Bluing Reagent and incubate for 30 seconds.
5. Rinse slide in distilled water.
6. Dip slide in 95% alcohol for 5 seconds.
7. Pour one bottle of Congo Red Solution into provided coplin jar and incubate slide for 20 minutes. **Note:** Ensure that tissue is fully immersed in the coplin jar.
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.

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