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Congo Red Immunostaining

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ABSTRACT

Staining for amyloid structures in protein aggregates

OPEN  ACCESS

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protocols.io<https://protocols.io/view/congo-red-immunostaining-c8vtzw6n>

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




Protocol status: Working

We use this protocol and it's working

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- 1 Wash freshly sectioned tissues 2-3 times with 1X PBS to remove OCT.
- 2 Mount all sections onto microscope slides and dry at  Room temperature  00:00:00 .
- 3 Transfer slides into a 1% CongoRed solution for  00:30:00 . 
- 4 Place slides into alkaline bath (1% Sodium hydroxide in 50% ethanol) for  00:05:00 . 
- 5 Transfer slides into 3 sequential baths of water to remove excess staining.
- 6 Transfer slides into 0.4% Toluidine blue solution for  00:10:00 . 
- 7 Wash slides in 3 sequential bath of water to remove excess staining.

8 Finally, dehydrate slides using sequential baths of:

13m

1. distilled water (~  00:02:00)
2. 70% ethanol (2 times ~  00:02:00)
3. 95% ethanol (2 times ~  00:02:00)
4. 100% ethanol (2 times ~  00:02:00)
5. 10% xylene (2 times ~  00:05:00)

9 Dry sections at room temperature (~  00:05:00).

5m

10 Cover with DPX mounting medium.