

VERSION 1 JAN 16, 2024

Brain Histology - tissue sectioning and staining V.1

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ABSTRACT

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Protocol Citation: Yiqin Shen 2024. Brain Histology - tissue sectioning and staining. **protocols.io** https://protocols.io/view/brain - histology-tissue-sectioning-and-staining-c7ntzmen

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Protocol status: Working We use this protocol and it's working

Created: Jan 16, 2024

Last Modified: Jan 16, 2024

PROTOCOL integer ID: 93619

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Sectioning

1 Turn on and set the water floating device to \ \ 37 °C \ .

Prepare a bucket of ice. Place the samples on ice before sectioning.

Check the blades by doing a few test sections. Change if they are not sharp.

2 Place a block of sample on the holder.

Adjust the machine so the block is near the blade but not cut. Rotate the handle to bring near the block.

3 Start sectioning. Avoid ruptures and curling.

Note

If the samples are not cutting well, either check the blade, or place the sample back on ice for a few minutes depending on the situation.

4 Place the slice on to water with brush, and gently catch them with glass slides. Label each slide well. Allow the slides to air dry.

Staining- Day 1

5 Place the slides onto the slide holder, and dip in xylene for 00:30:00

Wash the slides with alcohol. The washes are at different concentrations from 100% to 50%, 6 (*) 00:06:00 each.

6m

Rinse with DD H20

7 Remove the slides from holder, trace the outside with hydrophobic pen.

8 Add blocking buffer (Bloxall) to the slides for 00:30:00 Rinse with PBS 2X 3min



30m



- Put the slides in Hematoxylin for 30s Rinse 2X DD H2O, and allow the slides to air-dry.
- Put the slides in Xylene for 00:01:00 two times.

1m

19 Coverslip + mounting media