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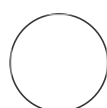
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Protocol status: Working
We use this protocol and it's working

🌐 Mouse perfusions and brain tissue processing

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ABSTRACT


The protocol describes tissue processing for histological analyses and includes perfusions, brain fixation, and tissue harvesting from perfused rodents.

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- 1 Inject sodium pentobarbital (600 mg/kg, i.p.) to sacrifice the mouse
- 2 Once the respiration is stopped, open the chest and place the cannula connected to a peristaltic pump into the heart. Make sure that the cannula has access to the ascending aorta.
- 3 Perfuse, first with 20 ml saline solution, kept at room temperature, and then with ice-cold 60 ml 4% (w/v) paraformaldehyde.
- 4 Quickly remove the brain and immerse in 4% paraformaldehyde for 24 hours.
- 5 For cryopreservation, place the brain in a 30% (w/v) sucrose solution.
- 6 Once sunk, section the brain on the coronal plane ( 35 μm) using a freezing microtome.