

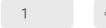


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## Mouse Perfusion

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This protocol is used to perfuse mice and isolate their brain for cryosectioning.

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- 1 Sedate mice with 120mg/kg Euthanyl then open their chest cavity to expose their heart. 2m
- 2 Insert the needle tip into the left ventricle and cut the right atria. Begin slowly injecting 10m<sup>5m</sup> 1X phosphate buffered saline (PBS) over 5 minutes.
- 3 Once all of the 1X PBS has been perfused, begin injecting 10mL 4% paraformaldehyde or 10% formalin over 5 minutes.
- 4 Extract brain and incubate them in either 4% paraformaldehyde or 10% formalin for 72 hours at



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5 Incubate brain in 10% sucrose for 24 hours at 4°C.

6 Incubate brain in 20% sucrose for 24 hours at 4°C.

7 Incubate brain in 30% sucrose for 24 hours at 4°C.

30m

9 Cryo-section brain at 40μm.