

Lateral Fluid Percussion: Model of Traumatic Brain Injury in Mice

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Materials List for:

Lateral Fluid Percussion: Model of Traumatic Brain Injury in Mice

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URL: <http://www.jove.com/video/3063>

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Materials

- Stereotaxic alignment instrument for mice (Kopf Instruments)
- Mouse gas anesthesia head holder (Kopf Instruments)
- Anesthesia machine with O₂ flush (Parkland Scientific)
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- Buprenorphine (Webster Animal Supply)
- Refresh Lacri Lube eye ointment (Fisher)
- Bupivacaine/Marcaine (Webster Animal Supply)
- Povidone-iodine solution (Fisher)
- 20 g 1 ½" needles (Becton Dickinson)
- Scalpel blade (#15) and holder (Becton Dickinson)
- Bulldog clamps (Fine Science Tools)
- Dental tool or bone scraper (Fine Science Tools)
- Side grasping forceps Dumont #6 (Fine Science Tools)
- 3mm outer diameter trephine (Research Instrumentation Shop, University of Pennsylvania)
- Solid nylon cord (1.7 mm diameter, e.g. weed trimmer line)
- Super glue gel
- Loctite cyanoacrylate glue (Loctite 444 Tak Pak) (Henkel Corporation)
- Jet Acrylic Liquid (Butler Schein)
- Perm Reline/Repair Resin (Butler Schein)
- Storage Oscilloscope TDS 1001B, 40 MHz, 500MS/s (Tektronix)
- Trauma Inducer Pressure Transducer Amplifier (Custom Design and Fabrication, Virginia Commonwealth University)
- LFP device (Custom Design and Fabrication, Virginia Commonwealth University)
- High-pressure tubing, length 41cm, volume 2ml (Baxter)
- 3M Vetbond Tissue Adhesive (Fisher)