

Materials List for:

Contusion Spinal Cord Injury via a Microsurgical Laminectomy in the Regenerative Axolotl

Mathias Møler Thygesen^{1,2}, Fredrik Guldbæk-Svensson¹, Mikkel Mylius Rasmussen², Henrik Lauridsen¹

¹Department of Clinical Medicine, Aarhus University

²Department of Neurosurgery, Aarhus University Hospital

Correspondence to: Mathias Møler Thygesen at matthy@clin.au.dk

URL: <https://www.jove.com/video/60337>

DOI: [doi:10.3791/60337](https://doi.org/10.3791/60337)

Materials

Name	Company	Catalog Number	Comments
25 g custom falling rod	custom home made		
30 mm PVC pipe	custom home made		
Acetone	Sigma-Aldrich	67-64-1	Propanone
Axolotl (<i>Ambystoma mexicanum</i>)	Exoterra GmbH	N/A	12-22 cm and 10 g - 80 g, All strains (wildtype, melanoid, white, albino, transgenic white with GFP)
Benzocain	Sigma-Aldrich	94-09-7	ethyl 4-aminobenzoate
electromagnet	custom home made		
Excel 2010	Microsoft	N/A	Excel 2010 or newer
ImageJ	National Institutes of Health		ImageJ 1.5e or newer. Rasband, W.S., ImageJ, U. S. National Institutes of Health, Bethesda, Maryland, USA, https://imagej.nih.gov/ij/ , 1997-2016.
kimwipes			
microsurgical instruments	N/A	N/A	Forceps and scissors
MS550s	Fujifilm, Visualsonics	MS550s	40 MHz center frequency, transducer
MS700	Fujifilm, Visualsonics	MS700	50 MHz center frequency, transducer
Petri dish	any maker		
Soft cloth	N/A	N/A	Any piece of soft cloth measuring approximately 70 x 55 cm ² e.g. a dish towel
Stereo microscope			
Vevo 2100	Fujifilm, Visualsonics	Vevo 2100	High frequency ultrasound system