

Materials List for:

***In vivo* Imaging of the Mouse Spinal Cord Using Two-photon Microscopy**

Dimitrios Davalos¹, Katerina Akassoglou^{1,2}

¹Gladstone Institute of Neurological Disease, University of California, San Francisco

²Department of Neurology, University of California, San Francisco

Correspondence to: Dimitrios Davalos at ddavalos@gladstone.ucsf.edu

URL: <https://www.jove.com/video/2760>

DOI: [doi:10.3791/2760](https://doi.org/10.3791/2760)

Materials

Name	Company	Catalog Number	Comments
Rhodamine B dextran	Invitrogen	D1841	70 kDa, diluted in ACSF (3% w/v)
Ketamine HCl	Bioniche Pharma	NDC No: 67457-001-10	Injectable, 50mg/ml
Anased	Lloyd, Inc.	NADA No: 139-236	Xylazine injectable, 20mg/ml
Acepromazine	Vedco, Inc.	NADA No: 117-531	Injectable, 10mg/ml
Artificial tears ointment	Phoenix Pharmaceuticals, Inc.	NDC No: 57319-760- 25	Lubricant
Betadine	Fisher Scientific	19-061617	
McPherson-Westcott Scissors	World Precision Instruments, Inc.	555500S	Curved, blunt-tip scissors
Straight Forceps	World Precision Instruments, Inc.	555047FT	Toothed tip forceps
Small vessel cauterize	Fine Science Tools	18000-00	
Gelfoam	Pharmacia Corporation (Pfizer)	Mixer Mill MM400	
Compact spinal cord clamps	Narishige International	STS-A	
Head holding adaptor	Narishige International	MA-6N	
Gelseal	Amersham	80-6421-43	
Lactated Ringers	Baxter International Inc.	2B8609	
Buprenex	Reckitt Benckiser	NDC No: 12496- 6757-1	Buprenorphine, injectable
Baytril	Bayer AG	NADA 140-913	Enrofloxacin, antibacterial injectable 2.27% (20ml)
Heating pad - Large	Fine Science Tools	21060-10	