

Materials List for:

Multi-layer Cortical Ca²⁺ Imaging in Freely Moving Mice with Prism Probes and Miniaturized Fluorescence Microscopy

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Materials

Name	Company	Catalog Number	Comments
Neurostar Motorized Ultra Precise Small Animal Stereotaxic Instrument	Kopf	Model 963SD	Surgery
Stereoscope	Labomed	Prima DNT	Surgery and Imaging
Mini Rectal Thermistor Probe (.062"/1.6 mm diameter) - 1/4" Jack	FHC	40-90-5D-02	Surgery
Heating Pad 5 X 12.5 cm	FHC	40-90-2-07	Surgery
DC Temperature Controller	FHC	40-90-8D	Surgery
Microsyringe Pump	World Precision Instruments	UMP3 model; serial 155788 F110	Surgery
NanoFil 10 µL Syringe	World Precision Instruments	NANOFIL	Surgery
35 G Beveled Tip Nanofil NDL 2PK	World Precision Instruments	NF35BV-2	Surgery
Omnidrill35, 115 - 230 V	World Precision Instruments	503598	Surgery
Burrs for Micro Drill	Fine Science Tools	19007-05	Surgery
nVista	Inscopix	100-001048	Imaging
AAV1.CaMKII.GCaMP6f.WPRE.SV40	Penn Vector Core	AV-1-PV3435	Surgery
Ketoprofen	Victor Medical	5487	Surgery
Carprofen	Victor Medical	1699008	Surgery
Isoflurane	Victor Medical	1001054	Surgery
Gelfoam (Patterson Veterinary Supply Inc Gelfoam Sponge 12 cm x 7 mm)	Pfizer (Fisher Scientific)	NC9841478	Surgery
Dumont #5/45 forceps	Fine Science Tools	11251-35	Surgery
Dumont #5 forceps	Fine Science Tools	11251-30	Surgery
Dissecting knives	Fine Science Tools	10055-12	Surgery
ProView Implant Kit	Inscopix	100-000756	Surgery and Imaging
ProView Prism Probe 1.0 mm-Dia. ~4.3 mm Length	Inscopix	100-000592	Surgery and Imaging
Kwik-Sil adhesive pack of 2	World Precision Instruments	KWIK-SIL	Surgery
Kwik-Cast Sealant	World Precision Instruments	KWIK-CAST	Surgery and Imaging
Miniature Optical Mounting Post	Newport	M-TSP-3	Imaging
Microscope Baseplate	Inscopix	BPL-2	Imaging
Microscope Baseplate Cover	Inscopix	BPC-2	Imaging