

Materials List for:

Novel Method of Plasmid DNA Delivery to Mouse Bladder Urothelium by Electroporation

Chuan Yu^{*1}, Ofir Stefanson^{*1}, Yueli Liu¹, Zhu A. Wang¹

¹Department of Molecular, Cell, and Developmental Biology, University of California, Santa Cruz

*These authors contributed equally

Correspondence to: Zhu A. Wang at zwang36@ucsc.edu

URL: <https://www.jove.com/video/57649>

DOI: [doi:10.3791/57649](https://doi.org/10.3791/57649)

Materials

Name	Company	Catalog Number	Comments
BD 1mL TB Syringe	Fisher	148232E	
Buprenorphine	Sigma	B9275-50MG	
Dumont Tweezers	Roboz Surgical Instr	RS-5005	Treat with 70% ethanol before surgical use
ECM830 SQ Wave Electroporator	Harvard Apparatus	450052	
Exel International Disposable Safelet I.V. Catheters	Fisher Scientific	14-841-21	24G, 2.11 cm length, 0.045 cm outer diameter
Extra Fine Micro Dissecting Scissors	Roboz Surgical Instr	RS-5135	Treat with 70% ethanol before surgical use
Isoflurane	Vet one	501017	
K&H Heated Resting Mat for Small Animals, 9 By 12 Inches	Amazon	n/a	Cover the heat mat with paper towels
Ophthalmic ointment	Fisher	NC0849514	
PBS, pH7.4	Life Technologies	10010049	
Pipet tips 200 µL	USA Scientific	1111-0206	
Pipet Tips, Universal Fit; 0.1 to 10 µL	Fisher	02707438(CS)	
PIPETMAN NEO P2	Gilson	F144561	
PIPETMAN NEO P200N	Gilson	F144565	
plasmid CAG-GFP	Addgene	16664	
Platinum tweezerrode 5 mm	Harvard Apparatus	450489	5 mm diameter
Scissors	Roboz Surgical Instr	RS-5880	Treat with 70% ethanol before surgical use
String cord	Amazon	n/a	Mandala Crafts 150D 210D 0.8mm 1mm leather sewing stitching flat waxed thread string cord
Tape, Scotch	Fisher	19047257	
Therio-gel Veterinary Lubricant	PBS animal health	353-736	
Trypan Blue Stain	Life Technologies	15250061	
V-1 Table top system anesthesia	VetEquip	901806	
Vicryl violet suture 18" FS-2 cutting 5-0	Fisher	NC0578475	
Walgreens Povidone Iodine 10%	Walgreens	953982	
Wound clip	Fisher	018045	
Wound clip applicator	Fisher	01804	