

Materials List for:

# An *In Vivo* Murine Sciatic Nerve Model of Perineural Invasion

Sylvie Deborde<sup>\*1</sup>, Yasong Yu<sup>\*1</sup>, Andrea Marcadis<sup>1</sup>, Chun-Hao Chen<sup>1</sup>, Ning Fan<sup>2</sup>, Richard L. Bakst<sup>3</sup>, Richard J. Wong<sup>1</sup>

<sup>1</sup>Department of Surgery, Memorial Sloan Kettering Cancer Center

<sup>2</sup>Molecular Cytology Core Facility, Memorial Sloan Kettering Cancer Center

<sup>3</sup>Department of Radiation Oncology, Mount Sinai Hospital

\*These authors contributed equally

Correspondence to: Sylvie Deborde at [debordes@mskcc.org](mailto:debordes@mskcc.org)

URL: <https://www.jove.com/video/56857>

DOI: [doi:10.3791/56857](https://doi.org/10.3791/56857)

## Materials

Name	Company	Catalog Number	Comments
Mouse			Number and age variable depending on experimental needs
Cell culture media (PBS, Trypsin, and DMEM+10% FBS)	Any		Steps 1.1, 1.2, 1.3.
Conical centrifuge tube, 50 mL	Falcon	352098	Step 1.1
Microcentrifuge tube 1.5 mL	Axygen	MCT-150-C-S	Step 1.2
Electric razor	WAHL	9962	Step 2.1. Can be substituted with commercial hair removal agent
Isoflurane, 250 mL	Baxter	1001936060	Step 2.2
Hypoallergenic surgical tape	3M Blenderm	70200419342	Step 2.3
Betadine Swapsticks	PDI	SKU 41350	Step 2.4
Webcol Alcohol Preps	Covidien	5110	Step 2.4
Sterile surgical tools (scissors and forceps)			Steps 2.4, 2.5, 3.3, 3.4, 3.5
10 µL Hamilton syringe	Hamilton	80308	Steps 2.7, 2.8
Steel Micro spatula	Fisher Scientific	S50823	Step 2.7
Dissecting microscope			Step 2.7
Bupivacaine, 1 g	Enzo Life Sciences	BML-NA139-0001	Step 2.9. Reconstitute to 0.5%
5-0 Nylon suture	Ethicon	698H	Step 2.9
Tissue-Tek O.C.T. Compound	VWR	25608-930	Step 4.1
Tissue-Tek Cryomold Molds	VWR	25608-916	Step 4.1