

Materials List for:

# Surgical Transplantation of Mouse Neural Stem Cells into the Spinal Cords of Mice Infected with Neurotropic Mouse Hepatitis Virus

Kevin S. Carbajal<sup>1,2</sup>, Jason G. Weinger<sup>1,2</sup>, Lucia M. Whitman<sup>1,2</sup>, Chris S. Schaumburg<sup>1,2</sup>, Thomas E. Lane<sup>1,2,3</sup>

<sup>1</sup>Department of Molecular Biology and Biochemistry, University of California, Irvine

<sup>2</sup>Sue and Bill Gross Stem Cell Center, University of California, Irvine

<sup>3</sup>Institute for Immunology, University of California, Irvine

Correspondence to: Thomas E. Lane at [tlane@uci.edu](mailto:tlane@uci.edu)

URL: <https://www.jove.com/video/2834>

DOI: [doi:10.3791/2834](https://doi.org/10.3791/2834)

## Materials

Name	Company	Catalog Number	Comments
Ketaject	Phoenix Pharmaceuticals, Inc.	NDC 57319-542-02	
Xylazine Hydrochloride	MP Biomedicals	158307	
Nair	Church & Dwight Co.		
10 µl Hamilton Syringe w/ Removable needle	Hamilton Co	7635-01	
Hamilton Needles, 30G or 33 G, ½ inch, 30° bevel	Hamilton Co	7803-077803-05	Test the viability of your cells following passage through needles to identify the best gauge to use
Micro Scissors	World Precision Instruments, Inc.	555500S	
Small Graefe Forceps	Fine Science Tools	11053-10	
Stereotaxic	Kopf Instruments	Model 1772 Universal Holder	
Stereotaxic	Kopf Instruments	Model 1773 Electrode Holder	
Stereotaxic	Kopf Instruments	Model 902 small animal stereotaxic	
Stereotaxic	Kopf Instruments	Model 960 left electrode carrier	
Sutures	Ethicon Inc.	95057-064	
Lactated Ringers	Hospira Inc.	NDC 0409-7953-03	
Staples	Fine Science Tools	12032-07	
Hemostat	Fine Science Tools	13010-12	
Scalpels, sizes 10,11	Fisher Scientific	268878, 268879	
Sutures	Ethicon Inc.	1676G	size 5-0, 3/8" circle, 19mm needle, 45cm braided thread
Reflex 7 wound clip applicator	Fine Science Tools	12031-07	
7mm Reflex wound clips	Fine Science Tools	12032-07	
Olsen-Hegar needle holder	Fine Science Tools	12502-12	