

Materials List for:

# A Mouse Tumor Model of Surgical Stress to Explore the Mechanisms of Postoperative Immunosuppression and Evaluate Novel Perioperative Immunotherapies

Lee-Hwa Tai<sup>1</sup>, Christiano Tanese de Souza<sup>1</sup>, Shalini Sahi<sup>1</sup>, Jiqing Zhang<sup>1,2,4</sup>, Almohanad A Alkayyal<sup>1,3,5</sup>, Abhirami Anu Ananth<sup>1,3</sup>, Rebecca A.C. Auer<sup>1,6</sup>

<sup>1</sup>Centre for Innovative Cancer Research, Ottawa Hospital Research Institute

<sup>2</sup>Department of Cellular and Molecular Medicine, University of Ottawa

<sup>3</sup>Department of Biochemistry, Microbiology and Immunology, University of Ottawa

<sup>4</sup>Department of Neurosurgery, The Second Hospital of Shandong University

<sup>5</sup>Department of Medical Laboratory Technology, University of Tabuk

<sup>6</sup>Department of Surgery, Ottawa General Hospital

Correspondence to: Rebecca A.C. Auer at [rauer@ottawahospital.on.ca](mailto:rauer@ottawahospital.on.ca)

URL: <https://www.jove.com/video/51253>

DOI: [doi:10.3791/51253](https://doi.org/10.3791/51253)

## Materials

Name	Company	Catalog Number	Comments
Dulbecco's Modified Eagle Medium (DMEM)	Corning Cell-Gro	10-013-CV	
Inactivated Fetal Bovine Serum (FBS)	HyClone	SH30396.03	
Penicillin/Streptomycin	Gibco	15070-063	
1x Sterile Phosphate Buffered Saline (PBS)	Corning Cell Gro	21-031-CV	
Buprenorphine	Chiron, Guelph	RXN309968	
Isoflurane	Baxter Corp	1001936040	
1/2 Ultra-fine syringe	Terumo	30 G, SS05M3009	
9 mm Staples	Braintree	ACS BX	
5-0 Braided absorbable suture	Covidien	UL-202	
3-0 Wax braided silk suture	Covidien	S-194	
Formalin	Fisher	SF100-20	
4T1 Tumor cells	ATCC	CRL-2539	
BALB/c mice	Charles Rivers Labs	Strain Code:028	