

Materials List for:

A Decentralized (*ex vivo*) Murine Bladder Model with the Detrusor Muscle Removed for Direct Access to the Suburothelium during Bladder Filling

Leonie Durnin^{1,2}, Robert D. Corrigan¹, Kenton M. Sanders¹, Violeta N. Mutafova-Yambolieva¹

¹Department of Physiology and Cell Biology, University of Nevada Reno School of Medicine

²Charles River Laboratories Inc.

Correspondence to: Violeta N. Mutafova-Yambolieva at vmutafova@med.unr.edu

URL: <https://www.jove.com/video/60344>

DOI: [doi:10.3791/60344](https://doi.org/10.3791/60344)

Materials

Name	Company	Catalog Number	Comments
CaCl ₂	Fisher	C79	Source flexible
Dextrose	Fisher	D16	Source flexible
Dissecting pins	Fine Science Tools	26002-20	Source flexible
Infusion Pump	Kent Scientific	GenieTouch	Source flexible
KCl	Fisher	P217	Source flexible
KH ₂ PO ₄	Fisher	P284	Source flexible
Light source	SCHOTT ACEI		Source flexible
Microscope	Olympus SZX7		Flexible to use any scope
MgCl ₂	Fisher	M33	Source flexible
NaCl	Fisher	S671	Source flexible
NaHCO ₃	Fisher	S233	Source flexible
Needles 25G	Becton Dickinson	305122	Source flexible
Organ bath	Custom made		Flexible source; We made it from Radnoti dissecting dish
PE-20 tubing	Intramedic	427405	Source flexible
Pressure transducer	AD instrument		Source flexible
S&T Forceps	Fine Science Tools	00632-11	Source flexible
Software pressure-volume	AD Instruments	Power lab	
Suture Nylon, 6-0	AD surgical	S-N618R13	Source flexible
Suture Silk, 6-0	Deknatel via Braintree Scientific, Inc.	07J1500190	Source flexible
Syringes 1 ml	Becton Dickinson	309602	Source flexible
Vannas Spring Scissors	Fine Science Tools	15000-08	Source flexible
Water circulator	Baxter	K-MOD 100	Source flexible