

Materials List for:

Murine Flexor Tendon Injury and Repair Surgery

Jessica E. Ackerman¹, Alayna E. Loiselle¹

¹Center for Musculoskeletal Research, Department of Orthopaedics & Rehabilitation, University of Rochester Medical Center

Correspondence to: Alayna E. Loiselle at Alayna_Loiselle@urmc.rochester.edu

URL: <https://www.jove.com/video/54433>

DOI: [doi:10.3791/54433](https://doi.org/10.3791/54433)

Materials

Name	Company	Catalog Number	Comments
Surgical preparation			
C57BL/6J mice	Jackson Laboratories	000664	
Ketamine	Hospira	NDC# 0409-2051-05	
Xylazine	Lloyd Inc.	NDC# 61311-482-10	
Buprenorphine	Par Pharmaceutical Inc.	NDC# 42023-179-10	
0.9% sodium chloride irrigation	Hospira	NDC# 0409-6138-03	For preparation of ketamine/xylazine and buprenorphine solutions
1 ml syringe	BD	309659	
30 G needle	BD	305106	
Povidone-Iodine solution	Aplicare	82-226	
70% ethanol			
Puralube vet ophthalmic ointment	Dechra Veterinary Products	NDC# 17033-211-38	
Name	Company	Catalog Number	Comments
Surgical tools			
Portable balance 200 g	Ohaus	SP202	
Spring scissors	Fine Science Tools	15124-12	
Dumont #5 forceps	Fine Science Tools	11251-30	
Needle holders	Fine Science Tools	91201-13	
Micro spring scissors	Fine Science Tools	15003-08	
Micro needle holders	Fine Science Tools	12061-02	
5-0 nylon sutures	Ethicon	668G	
8-0 microsurgery nylon sutures	Ethicon	2808G	
Lab-Line histology slide warmer	Barnstead International	26025	
Name	Company	Catalog Number	Comments
Cytospin method			
Collagenase Type I, lyophilized	Life Technologies	1700-017	
Bovine Serum Albumin	Cell Signaling Technologies	9998S	
1x PBS	Thermo Fisher	10010-023	
Cytology funnels	Fisher HealthCare	10-354	
HistoBond+ microscope slides	VWR	16005-110	
Cytospin 2 centrifuge	Shandon	SH-CYTO2	
Name	Company	Catalog Number	Comments
Immunocytochemistry			
Slide staining tray with black lid	IHC World	M920-2	
Click-iT Plus EdU Imaging Kit	Life Technologies	C10639	Includes EdU and Hoechst 33342

Immedge hydrophobic barrier pen	Vector Laboratories	H-4000	
ProLong Diamond mounting medium	Thermo Fisher	P36970	
Glass coverslips 24 x 50 mm #1.5			
Clear nail polish			