

Materials List for

Non-Invasive Compression-Induced Anterior Cruciate Ligament (ACL) Injury and *In Vivo* Imaging of Protease Activity in Mice

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jove.com/video/65249

Materials

Name	Company	Catalog Number	Comments
10x Phosphate-Buffered Saline	Tissue Protech	PBS01-32R	or equivalent
Air Anesthesia System			Isoflurane vaporizer with induction chamber and nose cone
Buprenorphine			Analgesic post-injury
Depilatory Cream	Veet	B001KYPZ4G	or equivalent
Fixtures			Custom-made knee fixture, ankle fixture, and platform
IVIS Spectrum	Perkin Elmer	124262	Can also use comparable optical imaging system
Kimwipes	Kimberly-Clark Corporation	06-666	or equivalent
Living Image software	Perkin Elmer		
Materials testing systems	TA Instruments		Electroforce 3200 or equivalent
ProSense680	Perkin Elmer	NEV10003	Can also use other probes such as OsteoSense, MMPsense, Cat K, AngioSense, etc.
Sterile Syringe with Needle	Spectrum Chemical Mfg. Corp.	550-82231-CS	Covidien 1 mL TB Syringe with 28 G x 1/2 in. Needle, Sterile or equivalent
Uniaxial load cell	TA Instruments		20 N capacity
Vortex-Genie 2	Scientific Industries, Inc.	SI-0236	or equivalent
WinTest software	TA Instruments		compatible with Electroforce 3200