

Materials List for:

Isometric and Eccentric Force Generation Assessment of Skeletal Muscles Isolated from Murine Models of Muscular Dystrophies

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Materials

Name	Company	Catalog Number	Comments
<i>in vitro</i> Muscle Test System	 Aurora Scientific	1200A	
Dissecting microscope	Leica	MZ6	
ACE light source	Schott-Fostec	A20500	
Dissecting scissors	Fine Science Tools	14060-11	
Angled dissecting scissors	Fine Science Tools	15006-09	
Scalpel handle	Fine Science Tools	10003-12	alternate dissecting tool
Curved scalpel blades #12	Fine Science Tools	10012-00	alternate dissecting tool
Bone scissors	Fine Science Tools	16044-10	
S&T suture tying forceps	Fine Science Tools	00272-13	
Dumont SS forceps - angled	Fine Science Tools	11203-25	
Braided silk suture size 6-0	Teleflex Medical	07-30-10	
Medical tape	Transpore	3M	
Ketamine hydrochloride 100 mg/ml	Hospira	NDC 0409-2051-05	Final Dose is 80 mg/kg
TranquiVed Injection (xylazine 100 mg/ml)	Vedco	NDC 50989-234-11	Final Dose is 10 mg/kg
Reactive orange 14	Sigma-Aldrich	R-8254	
<i>Ringers Solution Components</i>			Solution is gas equilibrated with 95% O ₂ and 5% CO ₂ , final pH 7.4
Sodium chloride	Sigma-Aldrich	S7653	Final Concentration: 118 mM
Potassium chloride	Fisher Scientific	P217-3	Final Concentration: 4.7 mM
Calcium chloride dihydrate	Fisher Scientific	C79-500	Final Concentration: 2.5 mM
Potassium phosphate monobasic	Fisher Scientific	P-285	Final Concentration: 1.2 mM
Magnesium sulfate	J.T. Baker	2500-01	Final Concentration: 0.57 mM
4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid (HEPES)	Fisher Scientific	BP310-500	Final Concentration: 5.95 g/L
Glucose	Sigma-Aldrich	G8270	Final Concentration: 5.5 mM