

Materials List for:

Measurement of Maximum Isometric Force Generated by Permeabilized Skeletal Muscle Fibers

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Materials

Name	Company	Catalog Number	Comments
Polystyrene culture test tube with cap	Fisher Scientific	14-956-3D	
0.5 ml screw cap microcentrifuge	Fisher Scientific	02-681-334	
0.5 ml microcentrifuge caps with o-ring	Fisher Scientific	02-681-358	
Microcentrifuge cryobox	Fisher Scientific	5055-5005	
pH meter	Mettler-Toledo	FE20	
Petri dish	Fisher Scientific	08-757-11YZ	
Nonsterile-suture 10-0 monofilament	Ashaway Line Twine	S30002	
Insect pins	Fine Science Tools	26002-10	
Forceps - Dumont #5	Fine Science Tools	11251-20	
Microdissecting scissors	Fine Science Tools	15000-08	
Stereo microscope	Leica Microsystems	MZ8	
Micrometer drives	Parker Hannifin	3936M	
Thermometer	Physitemp	BAT-12	
Water bath circulator	Neslab Instruments	RTE-111	
Temperature controller	Aplha Omega Instruments	Series 800	
LabVIEW software	National Instruments	-	
Computer	Varied	-	
Chamber system	Aurora Scientific	802D	
Length-controller	Aurora Scientific	312C	
Force-transducer	Aurora Scientific	403A	
Reagents			
K-proprionate	TCI America	P0510	
Imadizole	Sigma-Aldrich	I0125	
MgCl ₂ •6H ₂ O	Sigma-Aldrich	M2670	
Brij 58	Sigma-Aldrich	P5884	
EGTA (acid)	Sigma-Aldrich	E0396	
Na ₂ H ₂ ATP•0.56H ₂ O	Sigma-Aldrich	A7699	
Glycerol	Sigma-Aldrich	G6279	
HEPES (acid)	Sigma-Aldrich	H7523	

MgO	Sigma-Aldrich	529699	
HDTA (acid)	TCI America	D2019	
CaCO ₃	Sigma-Aldrich	C4830	
NaN ₃	Sigma-Aldrich	S8032	
KOH (1 N)	Sigma-Aldrich	35113	
HCL (1 N)	Sigma-Aldrich	318949	
Na ₂ CrP•4H ₂ O	Sigma-Aldrich	P7936	
pH 10 standard	Fisher Scientific	SB115	
pH 7 standard	Fisher Scientific	SB107	