

Materials List for:

DNA Electroporation, Isolation and Imaging of Myofibers

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Materials

Name	Company	Catalog Number	Comments
DMEM	Life Technologies	11995-073	Dissection Media Dilution: 50 ml +100 g BSA
Collagenase, Type II	Life Technologies	17101-015	Fiber Digestion Dilution: 160 mg / 4 ml DMEM (stock 40 mg/ml aliquot)
Falcon 12-well dishes	Fisher Scientific	877229	Fiber Digestion
Ringers Solution			Fiber Digestion and Imaging Dilution: 146 mM NaCl 5 mM KCl 2 mM CaCl ₂ 1 mM MgCl ₂ 10 mM HEPES pH7.4 in H ₂ O
1 ml Pipettes	Axygen	T-1000-C-R	Digestion
Razor Blades	Personna	94-120-71	Digestion
Precision Glide 30 G needle	BD Biosciences	305128	Dissection
1x PBS (-/-)	Life Technologies	14190-250	Dissection
Sylgard 184	Fisher Scientific	50-366-794	Dissection
Forceps	FST by Dumont	#5/45	Dissection
Forceps	Roboz	RS-4913	Dissection
Scissors	World Precision Instruments	500260	Dissection
BSA	Sigma	A7906	Dissection media Dilution: 100 mg/50 ml DMEM
Falcon 60 mm dishes	Fisher Scientific	08772B	Dissection- used to hold sylgard
Clay			Electroporation
Stimulator	Grass	s88x	Electroporation
Clamps	Radio Shack	270-356	Electroporation
Triadine	Aplicare	82-220	Electroporation
Precision Glide 27 G needle	BD Biosciences	305136	Electroporation
Simulator	Grass	SIU-V	Electroporation
Gauze	Covidien	2146	Electroporation
Hyaluronidase	Sigma	H4272	Injection Dilution: Add 160 ul PBS (1x) to 40 ul 5x stock
1 cc U-100 Insulin Syringe (28G1/2)	BD Biosciences	329420	Injection
Eppendorf Tubes	Fisher Scientific	02-682-550	Injection
35 mm glass bottom Microwell dish	MaTek	P35G-1.5-14-C	Microscopy
FM 4-64	Life Technologies	T-13320	Microscopy Dilution: Final 2.5 ug/ml

FM 1-43	Life Technologies	T-35356	Microscopy Dilution: Final 2.5 ug/ml
Endotoxinfree Plasmid Maxi Kit	Qiagen	12362	Plasmid Purification