

Materials List for

Functional Site-Directed Fluorometry in Native Cells to Study Skeletal Muscle Excitability

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Materials

Name	Company	Catalog Number	Comments
Hyaluronidase	SIGMA ALDRICH	H3884-50mg	
0.5 mL Eppendorf tube	Millipore Sigma	EP022363719-500EA	
1 mL syringe	Millipore Sigma	Z683531-100EA	tuberculine slip tip
1/2" long 29-gauge sterile insulin needle and syringe	Becton Dickinson	324702	
35 mm non coated plastic plate	Falcon, Corning	353001	
60 mm non coated plastic plate	Falcon, Corning	351007	
Alcoholic whip	PDI	B60307	
Alexa-533 cube LP	Chroma	49907	Ex: 530/30x; BS: 532; Em: 550lp
Arc lamp	Sutter Instrumets	LB-LS 672	
Artificial tears cream	Akorn	NDC 59399-162-35	
Borosilicate glass Pasteur pipet 5 3/4"	VWR	14672-200	
BTS (N-benzyl-p-toluene sulphonamide)	SIGMA ALDRICH	203895	
collagenase type I	SIGMA ALDRICH	C0130-1g	
Cotton tip	VWR	VWR-76048-960-BG	
Double electrode array (for electroporation)	BTX harvard apparatus	45-0120	10mm 2 needle array tips
EGFP cube	Chroma	39002AT	Ex: 480/30x; BS 505; Em: 535/40m
Electroporation apparatus device	BTX harvard apparatus	ECM 830	
EPC10	HEKA Elektronik GmbH (Harvard Bioscience)	895000	
FBS	Biotechnie, R&D Systems	RND-S11150H	Fetal Bovine Serum - Premium, Heat Inactivated
glass coverslip 35 mm dish	MatTek Life Science	P35G-1.5-14-C	
Isoflurane	Fluriso (Isoflurane) Liquid for Inhalation	502017-250ml	
Isothermal heating pad	Braintree scientific inc	39DP	
Laminin	Thermo Fisher	INV-23017015	Laminin Mouse Protein, Natural

Latex bulb	VWR	82024-554	
LED 530 nm	Sutter Instrumets	5A-530	
Low binding protein 0.2 µm sterile filter	Pall	FG4579	acrodisk syringe filter 0.2um supor membrane low protein binding non pyrogenic
MEM	Invitrogen	INV-11380037	
MTS-5-TAMRA	Biotium	89410-784	MTS-5-TAMRA
OriginPro Analysis Software	OriginLab Corporation	OriginPro 2022 (64-bit) SR1	
Photodiode	Custom Made	NA	
PlanApo 60x oil 1.4 N.A/∞/0.17	Olympus	BFPC2	
Platinum wire 0.5 mm, 99.9 % metals basis	SIGMA	267228-1G	To manufacture field stimulation electrode
Pulse Generator	WPI	Pulsemaster A300	
Shutter drive controller	Uniblitz	100-2B	
Shuttter	Uniblitz	VS2582T0-100	
S-MEM	Invitrogen	INV-11380037	
Sterile bench pad	VWR	DSI-B1623	
Sterile saline	SIGMA ALDRICH	S8776	
Sylgard 184 Silicone Elastomer kit	Dow Corning	1419447-1198	
Vaporizer for Anesthesia	Parkland Scientific	V3000PK	
Voltage generator	Custom Made	NA	