

Materials List for

Preclinical Drug Testing in Scalable 3D Engineered Muscle Tissues

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Materials

Name	Company	Catalog Number	Comments
100 µm cell strainer	CELLTREAT	229485	
100 mm cell culture dish	ThermoFisher	150466	
50 mL Steriflip filter	MilliporeSigma	SCGP00525	
500 mL filter flask	MilliporeSigma	S2GVU05RE	
6-aminocaproic acid	Sigma	A2504	
B27	Gibco	17504044	
Cardiosight Maintenance Medium	NEXEL	CM-002A	
Cardiosight Plating Medium	NEXEL	CM-020A	
C-Pace EM stimulator	IonOptix	EM	
Curi Bio Muscle Differentiation Media Kit		Primary - DIFF	
Curi Bio Muscle Maintenance Media Kit	Curi Bio	Primary - MAINT	
DAPI	Invitrogen	D1306	
DMEM, high glucose, GlutaMAX	Gibco	10566-016	
Dnase	Sigma	11284932001	
DPBS	Gibco	14190-250	
Dystrophin antibody	Abcam	ab154168	
Fetal bovine serum (FBS)	Thermo Scientific	10082147	Must be heat-inactivated
Fibrinogen (Bovine)	Sigma	E8630	
Glutaraldehyde	Sigma	354400	
Ham's F10	Gibco	11550043	
Hemocytometer	Sigma	Z359629	
HS-27A Fibroblasts	ATCC	CRL-2496	

Human Skeletal Muscle Myoblasts	Lonza	CC-2580	
Luer Lock 0.2 µm syringe filter	Corning	431219	
Luer Lock 10 mL syringe	BH Supplies	BH10LL	
Mantarray Instrument	Curi Bio	MANTA-24-B1	System
Mantarray Plate Kits	Curi Bio	MA-24-SKM-5	Pack of 5 kits
Mantarray stimulation lid	Curi Bio	EM	
Matrigel (ECM)	Corning	356231	
Nexel Cardiosight-S, Cardiomyocytes	NEXEL	C-002	
Optical Microscope	Nikon Ti2E	MEA54000	
Pan Myosin Heavy Chain antibody	DSHB	MF-20	
Poly(ethyleneimine)	Sigma	P3143	
ROCK inhibitor	StemCell Technologies	Y-27632	
RPMI	Gibco	11875-093	
Skeletal Muscle Growth Medium (SkGM-2)	Lonza	CC-3245	
Standard 24-well plates	Greiner	M8812	Other manufacturer's plates will not fit
Standard 6-well plates	ThermoFisher	140675	
Stromal medium (DMEM + 20% FBS)			
T175 Filter Flask	ThermoFisher	159910	
T225 Filter Flask	ThermoFisher	159934	
Thrombin	Sigma	T4648	
Trypan Blue solution, 0.4%	ThermoFisher	15250061	
TrypLE Select Enzyme (10x)	Thermo Scientific	A1217702	
TrypLE Select Enzyme (1x)	Thermo Scientific	12563011	