

Materials List for

Single Myofiber Isolation and Culture from a Murine Model of Emery-Dreifuss Muscular Dystrophy in Early Post-Natal Development

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jove.com/video/61516

Materials

Name	Company	Catalog Number	Comments
4',6-diamidino-2-phenylindole	Sigma	D9542	
Chicken embryo extract	Seralab	CE650-DL	
Collagenase type I	SIGMA	C0130-500MG	
Donkey anti-Rabbit 488 antibody	Thermofisher	R37118	to be used 1:200
Dulbecco's modified Eagle's medium	Gibco	10569-010	
Fetal bovine serum	Corning	35-015-CV	
Horse serum	Gibco	26050-088	
MyoG antibody	Millipore	219998	to be used 1:100
Paraformaldehyde	SIGMA	P6148	
Pax7 antibody	Developmental studies Hybridoma bank		to be used 1:20
Penicillin and Streptomycin	Euroclone	ECB3001D	
Phosphate saline buffer	Euroclone	ECB4004L	
Prolong gold antifade mountant	Thermofisher	P36930	
Triton X-100	SIGMA	T8787	
Tween-20	SIGMA	P1379	
Lab equipment	Manufacturer		
Bunsen burner			
Confocal microscope	Leica		
Diamond pen	bio-optica		
Dissection pins			
FACS polypropylene tubes	Falcon		
Falcon tubes (50 and 15 mL)	Falcon		
Glass coverslips	Thermofisher		
Glass Pasteur pipettes (22cm)	VWR		

Glass slides	ThermoFisher		
Micro dissecting scissors			
Micropipette (1 mL and 200 μ L)	Gilson		
Micropipette tips	Corning		
Petri dishes (100 and 35 mm diameter)	ThermoFisher		
Plastic pipettes (5 and 10 mL)	VWR		
Rubber pipette bulbs	VWR		
Sharp tweezers			
Stereo dissection microscope with transmission illumination	Leica		
Tissue culture hood or lamina flow cabinet			
Tissue culture incubator (humidified, 37°C, 5% CO ₂)			
Water bath at 37°C	VWR		