

Materials List for:

Engineering Skeletal Muscle Tissues from Murine Myoblast Progenitor Cells and Application of Electrical Stimulation

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URL: <https://www.jove.com/video/4267>

DOI: [doi:10.3791/4267](https://doi.org/10.3791/4267)

Materials

Name	Company	Catalog Number	Comments
Matrigel-growth factor reduced	Beckton and Dickinson		
DMEM (high glucose)*	Gibco	42430	
Advanced DMEM	Gibco	12491	
Horse serum	Gibco	65050-122	
Fetal bovine serum	Greiner	758075	
0.45 and 0.22 µm syringe filter*	Whatmann (Schleicher and Scheull)	10462100	
L-glutamine	Gibco	25030024	
Penicillin/streptomycin	Gibco	10378016	
Amphotericin	Gibco	15290-018	
Culture plastic	Greiner		Includes culture flasks and pipets
Chick embryo extract	United States Biological	C3999	
Pasteur pipet*	Hilgenberg		Pasteur pipettes, with constriction, with cotton, open tip L: 230 mm with tip diameter of 0,9 - 1,1 mm
Pasteur pipet*	Hilgenberg		Pasteur pipettes, with constriction, with cotton, open tip L: 230 mm with tip diameter of 1,4 - 1,6 mm
Pasteur pipet	VWR	612-1702	
Collagenase type I*	Sigma	C0130-16	
40 µm cell strainer*	BD Falcon	352340	
19G needle			
Elastomer	Dow Corning corporation	3097358-1004	Silastic MDX 4-4210#
Curing agent	Dow Corning corporation		Silastic MDX 4-4210#
Velcro	Regular store		You can buy this at a regular store, only use the soft side
Collagen type I, rat tail	BD Biosciences	3544236	
C-Pace EP Culture Pacer	Ionoptix		
6-well culture dishes for electrical stimulation	Beckton Dickinson-Falcon	BD Falcon #353846	
C-Dish culture dish electrodes	Ionoptix		
* Needed for the isolation of cells (point 1.1)			
# Together in one kit			