

Materials List for:

# Isolation and Characterization of Exosomes from Skeletal Muscle Fibroblasts

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## Materials

Name	Company	Catalog Number	Comments
10 cm dishes	Midwest Scientific, TPP	TP93100	
15 cm dishes	Midwest Scientific	TP93150	
BCA protein assay kit	Thermo Fisher Scientific, Pierce	23225	
Bovine serum albumin Fraction V	Roche	10735094001	
CaCl <sub>2</sub>	Sigma	C1016-100G	
Centrifuge 5430R with rotors FA-35-6-30/ FA-45-48-11	Eppendorf	022620659/5427754008	
Chemidoc MP imaging system	BioRad	12003154	
Collagenase P	Sigma, Roche	11 213 857 001	100 mg
cOmplete protease inhibitor cocktail	Millipore/Sigma, Roche	11697498001	
Criterion Blotter with plate electrodes	BioRad	1704070	
Criterion TGX stain-free protein gel	BioRad	5678034	10% 18-well, midi-gel
Criterion vertical electrophoresis cell (midi)	BioRad	NC0165100	
Dispase II	Sigma, Roche	04 942 078 001	neutral protease, grade II
Dithiothreitol	Sigma/Millipore, Roche	10708984001	
Dulbecco's Modification Eagles Medium	Corning	15-013-CV	
Dulbecco's Phosphate Buffered Saline	Corning	21-031-CV	
Ethanol 200 proof	Pharmco by Greenfield Global	111000200	
Falcon 50 mL conical centrifuge tubes	Corning	352070	
Fetal Bovine Serum	Gibco	10437-028	
Fluostar Omega multi-mode microplate reader	BMG Labtech		
GlutaMAX supplement	Thermo Fisher Scientific, Gibco	35050-061	
Hydrochloric acid	Fisher Scientific	A144S-500	
Immobilon-P Transfer membranes	Millipore	IPVH00010	
Laemmli sample buffer (4x)	BioRad	1610747	
Magnesium acetate solution	Sigma	63052-100ml	
Non-fat dry milk	LabScientific	M-0842	
O <sub>2</sub> /CO <sub>2</sub> incubator	Sanyo	MC0-18M	
Penicillin-Streptomycin	Thermo Fisher Scientific, Gibco	15140-122	10,000 U/ml
Premium microcentrifuge tubes	Fisher Scientific, Midwest Scientific	AVSC1510	1.7 mL

Protected disposable scalpels	Fisher Scientific, Aspen Surgical Bard-Parker	372610	
Running buffer	BioRad	1610732	
Sodium Chloride	Fisher Scientific, Fisher Chemical	S271-3	
Stericup Quick release-GP sterile vacuum filtration system	Millipore	S2GPU05RE	500 mL
Sterile cell strainer (70 mm)	Fisher Scientific, Fisher brand	22-363-548	
Sucrose	Fisher Scientific, Fisher Chemical	S5-500	
SuperSignal west Femto	Thermo Fisher Scientific	34096	
Thin wall Polypropylene tubes	Beckman Coulter	326823	
Transfer buffer	BioRad	16110734	
Trichloroacetic Acid	Sigma	91228-100G	
Tris base	BioRad	1610719	
Triton-X100 solution	Sigma	93443-100mL	
TrypLE Express Enzyme	Thermo Fisher Scientific, Gibco	12604-013	No phenol red
Tween-20	BioRad	#1610781	
Ultra-centrifuge Optima XPM	Beckman Coulter	A99842	
Ultra-clear tube (14x89 mm)	Beckman Coulter	344059	
Ultra-clear tubes (25x89 mm)	Beckman Coulter	344058	
Water bath Isotemp 220	Fisher Scientific	FS220	