

Materials List for:

Isolation of Extracellular Vesicles from Murine Bronchoalveolar Lavage Fluid Using an Ultrafiltration Centrifugation Technique

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Materials

Name	Company	Catalog Number	Comments
Material			
Amicon Ultra-15 centrifugal filters Ultracel-100K	Sigma-Millipore, St. Louis, MO	UFC910024	
Dulbecco's Phosphate Buffered Saline (DPBS)	Corning Cellgro, Manassas, VA	21-031-CV	
Sucrose	Sigma-Millipore, St. Louis, MO	EMD8550	
HEPES	Research Products International, Prospect, IL	75277-39-3	
EDTA	Corning Cellgro, Manassas, VA	46-034-CI	
Sodium Chloride	Sigma-Millipore, St. Louis, MO	S3014-1KG	
OptiPrep	Sigma-Millipore, St. Louis, MO	MKCD9753	Density Gradient Medium
Ketamine	VetOne, Boise, ID	13985-702-10	
Xylazine	Akorn Animal Health, Lake Forest, IL	59399-110-20	
Syringe 1 mL	BD Syringe, Franklin Lakes, NJ	309656	
Angiocatheter 20 G	BD Syringe, Franklin Lakes, NJ	381703	
Centrifuge tubes 15 mL	VWR, Radnor, PA	89039-666	
Centrifuge tubes 50 mL	Corning Cellgro, Manassas, VA	430828	
Bicinchonic acid (BCA) protein assay	Pierce, Thermo Fischer Scientific, Rockford, IL	23235	
Rabbit anti-mouse TSG101 Antibody	AbCam, Cambridge, MA	AB125011	
Rat anti-mouse PE-CD63 Antibody	Biolegend, San Diego, CA	143904	
CD81			
CD9			
Anti-rabbit IgG, HRP-linked antibody	Cell Signaling Technology, Danvers, MA	7074S	
4x LDS			
10x Reducing agent (Bolt)			
10x Lysis buffer (Bolt)	Cell Signaling Technology, Danvers, MA		
Bolt 4-12% Bis-Tris Plus acrylamide gel	Invitrogen, Thermo Fisher Scientific, Waltham, MA	NW04120	
iBlot 2 Nitrocellulose mini stacks	Invitrogen, Thermo Fisher Scientific, Waltham, MA	IB23002	

Chemiluminescent HRP antibody detection reagent HyGLO	Denville Scientific, Holliston, MA	E2400	
Ultracentrifuge tubes 17 mL	Beckman Coulter, Pasadena, CA	337986	
Ultracentrifuge tubes 38.5 mL	Beckman Coulter, Pasadena, CA	326823	
Corning SFCA Syringe Filters 0.2 μ m pore	Thermo Fisher Scientific, Waltham, MA	09-754-13	
Equipment			
Centrifuge	Eppendorf, Hamburg, Germany	-	
Ultracentrifuge	Beckman Coulter, Pasadena, CA	-	
Nanosight (NS300)	Malvern, Worcestershire, UK	-	To measure particle size distribution and particle concentration
MACSQuant Analyzer 10 flow cytometer	Miltenyi Biotec, Bergisch Gladbach, Germany	-	
iBlot Transfer Apparatus	Thermo Fischer Scientific, Waltham, MA	-	
Bio-Rad ChemiDoc MP Imaging System	Bio-Rad, Hercules, CA		
FlowJo v. 10			Analysis software