

Materials List for

Mycobacterium tuberculosis Extracellular Vesicle Enrichment through Size Exclusion Chromatography

Joan M. Ryan¹, Karen M. Dobos¹, Nicole A. Kruh-Garcia^{1,2}

¹Mycobacteria Research Laboratories, Department of Microbiology Immunology & Pathology, Colorado State University ²BioMARC, Infectious Disease Research Center, Colorado State University

Corresponding Author

Nicole A. Kruh-Garcia
Nicole.Kruh@colostate.edu

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jove.com/video/63895

Materials

Name	Company	Catalog Number	Comments
20x MES SDS Running Buffer	ThermoFisher Scientific	NP0002	
96 well plate	Corning	15705-066	
Automatic Fraction Collector	IZON Science	AFC-V1-USD	
BenchMark Pre-stained Protein Ladder	Invitrogen	10748010	
Benchtop centrifuge	Beckman Coulter	Allegra 6R	
Centricon Plus - 70 Centrifugal filter, 100 kDa cutoff	Millipore Sigma	UFC710008	Ultrafiltration device used in step 1.1
Electroblotting System	ThermoFisher Scientific	09-528-135	
EM Grade Paraformaldehyde	Electron Microscopy Sciences	15714-S	
Formvar/Carbon 200 mesh Cu Grids	Electron Microscopy Sciences	FCF200H-Cu-TA	
Goat Anti-Mouse IgG H&L (Alkaline Phosphatase), whole molecule, 1 mL	AbCam	ab6790	Secondary antibody
JEM-1400 Transmission Electron Microscope	JOEL		
Micro BCA Protein Assay Kit	ThermoFisher Scientific	23235	
Microplate reader	BIOTEK	Epoch	
Monoclonal Anti- <i>Mycobacterium tuberculosis</i> GroES (Gene Rv3814c)	BEI Resources	NR-49223	Primary antibody
Monoclonal Anti- <i>Mycobacterium tuberculosis</i> LpqH (Gene Rv3763)	BEI Resources	NR-13792	Primary antibody
Monoclonal Anti- <i>Mycobacterium tuberculosis</i> LAM, Clone CS-35	BEI Resources	NR-13811	Primary antibody
NanoClean 1070	Fischione Instruments		For plasma cleaning of the TEM grid
Nanosight equipped with syringe pump and computer with NanoSight NTA software	Malvern Panalytical	NS300	
Nitrocellulose membrane, Roll, 0.2 µm	BioRad	1620112	
NuPAGE 4-12% Bis-Tris Protein Gels	ThermoFisher Scientific	NP0323BOX	

Phosphate-buffered Saline, 1X without calcium and magnesium	Corning	21-040-CV	
Pierce BCA Protein Assay Kit	ThermoFisher Scientific	23225	
PowerPac Basic Power Supply	BioRad	1645050	
qEV Original 35 nm 5/pk	IZON Science	SP5-USD	SEC column
SDS sample buffer	Boster	AR1112	In-house recipe used in this procedure, however this product is equivalent
SDS-PAGE gel chamber	ThermoFisher Scientific	EI0001	
Sigmafast BCIP/NBT	Millipore Sigma	B5655	
Silver Stain Plus Kit	BioRad	1610449	In-house protocol used in this procedure, however this kit is equivalent
Uranyl Acetate	Electron Microscopy Sciences	22400	