

Materials List for:

Isolation and Characterization of RNA-Containing Exosomes

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Materials

Name	Company	Catalog Number	Comments
Optima L-90K Ultracentrifuge	Beckman Coulter Inc.	65670	
Quick-seal ultracentrifuge tubes	Beckman Coulter Inc.		Depending on the rotor used different tubes are needed. Ti70 (342414), Ti45 (345776)
Quick-Seal Cordless Tube Topper kit	Beckman Coulter Inc.	358312	
Filtropur Syringe Filter, 0.20µm	Sarstedt Ltd	83.1826.001	For viscose fluids and/or large volumes, a Vacuum filtration system, 0.2 µm, from VWR International can be used instead (514-0600).
Formvar/carbon coated nickel grids	Ted Pella, Inc.	1GN200	
Mouse-anti-human CD63	BD Biosciences	556019	Final conc: 0.05µg/µl
Isotype control; IgG1κ (MOPC 21)	Sigma-Aldrich	M9269	Final conc: 0.05µg/µl
Anti-Mouse IgG Gold Conjugate, 10 nm	Sigma-Aldrich	G7777	Final conc: 1%
LEO 912AB Omega Electron microscope	Carl Zeiss, Inc.		Or equivalent equipment.
4µm aldehyd/sulphate latex beads	Interfacial Dynamics	12-4000	
Antibody for coating of the latex beads			For example anti-CD63 from BD Bioscience (556019)
Intelli-Mixer RM-2L	ELMI		Or equivalent equipment.
IgG from human serum	Sigma-Aldrich	I4506	
Antibodies for detection	BD Biosciences		For example: PE anti-CD63 (556020)PE anti-CD9 (555372)PE anti-CD81 (555676) Isotype control (555749)
BD FACSAria	BD Biosciences		
Transsonic T 490 DH	ELMA		Or equivalent equipment.
miRCURY RNA Isolation Kit	Exiqon A/S	300110	
Agilent 2100 Bioanalyzer	Agilent Technologies	G2939A	