

Materials List for:

# Paper-Based Preconcentration and Isolation of Microvesicles and Exosomes

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## Materials

Name	Company	Catalog Number	Comments
Ag/AgCl electrodes	A-M Systems, Inc.	531500	0.15" diameter
Albumin from Bovine Serum (BSA), Alexa Fluor 594 conjugate	Thermo Fisher Scientific	A13101	BSA conjugated with Alexa Fluor 594 (Ex/Em: 590/617 nm)
Carbonate-Bicarbonate Buffer	Sigma-Aldrich	C3041-50CAP	Carbonate buffer
CorelDraw software (Coral Co., Canada)	Corel Corporation		Printer software to define wax printing region
ColorQube 8870	Xerox Corporation		Wax printer
Chromatography paper grade 1	Whatman	3001-861	Cellulose paper, dimension: 20 * 20 cm
Fluorescent-labeled exosome standards	HansaBioMed Life Sciences, Ltd.	HBM-F-PEP-100	Exosome labeled with FITC (Ex/Em: 490/520 nm)
Keithley 2410 current/voltage source-meter	Keithley Instruments, Inc.		Current-voltage source measurement system
Nafion perfluorinated resin solution	Sigma-Aldrich	31175-20-9	Permselective membrane, 20 wt. % in the mixture of lower aliphatic alcohols and water; contains 34% water
NanoSight LM10	NanoSight Technology		Nanoparticle tracking analysis (NTA) machine
Phosphate-buffered saline (PBS, pH7.4)	Thermo Fisher Scientific	10010001	