

Materials List for

Freeze-Fracture Electron Microscopy for Extracellular Vesicle Analysis

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jove.com/video/63550

Materials

Name	Company	Catalog Number	Comments
A-DMEM	ThermoFisher Scientific, USA	12491015	
Balzers freeze-fracture device	Balzers AG, Liechtenstein	Balzers BAF 200	
Centrifuge	Eppendorf, Germany	model 5810R	
CO2 incubator HeraCell	Heraeus, Germany		
Copper carriers	Balzers	BB 113 142-2	100+ mesh
Copper grids	SPI, United States	2010C	
Culture flask T75	TPP, Switzerland		growing surface 75 cm ²
F12 (HAM)	Sigma-Aldrich, Germany	21765029	
FBS	Gibco, Life Technologies, USA	10500064	
Glazed Porcelain Plate 6 Well	Fischer Scientific, United States	50-949-072	
Glycerol	Kemika, Croatia	711901	final concentration 30 % (v/v)
Glutaraldehyde	Serva, Germany	23114.01	final concentration 2.5 % (v/v)
GlutaMAX	Gibco, Life Technologies	35050-079	final concentration 4 mM
Penicillin	Gibco, Life Technologies	15140163	final concentration 100 U/ml
Phase-contrast inverted microscope	Nikon, Japan	model Eclipse	
Rotor	Eppendorf, Germany	A 4-44	
Rotor	Eppendorf, Germany	F-34-6-38	
Serological pipettes	TPP, Switzerland		50mL volume
Sodium hypochloride solution in water	Carlo Erba, Italy	481181	
Stereomicroscope	Leica, Germany		
Streptomycin	Gibco, Life Technologies	35050038	final concentration 100 mg/mL
Transmission electron microscope	Philips, The Netherlands	model CM100	working at 80 kV
Tweezers	SPI, United States		