

Materials List for:

SILAC Based Proteomic Characterization of Exosomes from HIV-1 Infected Cells

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Materials

Name	Company	Catalog Number	Comments
H9 cell line	ATCC	HTB-176	
Trypan Blue	Thermo Fisher	15250061	
MTT assay kit	Thermo Fisher	V13154	
Dialyzed fetal bovine serum (FBS)	Thermo Fisher	26400044	
SILAC Protein Quantitation Kit – RPMI 1640	Thermo Fisher	89982	DMEM version (89983)
L-Arginine-HCl, ¹³ C ₆ , ¹⁵ N ₄ for SILAC	Thermo Fisher	88434	
L-Lysine-2HCl, ¹³ C ₆ for SILAC	Thermo Fisher	88431	
HIV-1 NL4-3	NIH AIDS Reagent Program	2480	
Alliance HIV-1 p24 Antigen ELISA kit	PerkinElmer	NEK050001KT	
Refrigerated super-speed centrifuge	Eppendorf	22628045	
Refrigerated ultracentrifuge	Beckman Coulter	363118	Should be able to reach 100,000 x g
50 mL Conical Centrifuge Tubes	Thermo Fisher	14-432-22	
Ultracentrifuge Tubes	Beckman Coulter	326823	
SW 32 Ti Rotor	Beckman Coulter	369694	
RIPA buffer	Thermo Fisher	89900	
Protease Inhibitor Cocktails	Thermo Fisher	78430	
ThermoMixer	Eppendorf	5384000020	
BCA Protein Assay Kit	Thermo Fisher	23250	
Spectrophotometer	Biorad	1702525	
SDS PAGE Gel apparatus	Thermo Fisher	EI0001	
Novex 4-20% Tris-Glycine Mini Gels	Novex	XV04200PK20	
Gel staining reagent	Sigma Aldrich	G1041	
Sequencing Grade Modified Trypsin	Promega	V5111	
SpeedVac Concentrator	Thermo Fisher	SPD131DDA	
Antibody to human annexin A5	Abcam	ab14196	
Antibody to human lactate dehydrogenase B chain	Abcam	ab53292	

Graphing and Statistical Software	Systat	SigmaPlot	Or GraphPad Prism
Quantitative proteomics software suite	Max Planck Institute of Biochemistry	Maxquant	
Software and databases	Various vendors		Refer to main text for details