

Materials List for:

Isolation of High-density Lipoproteins for Non-coding Small RNA Quantification

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URL: <https://www.jove.com/video/54488>

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Materials

Name	Company	Catalog Number	Comments
Ultracentrifuge	Beckman Coulter	A99839	Optima XPN-80
Ultracentrifuge Rotor	Beckman Coulter	331362	SW-41Ti
AKTA Pure FPLC System	GE Healthcare	29018224	
3x FPLC Superdex 200 Increase Columns In-line	GE Healthcare	28990944	10/300 gl
SynergyMx	BioTek Instruments	7191000	
Tabletop centrifuge	Thermo Scientific	75004525	Sorvall ST40R
Refrigerated centrifuge	Eppendorf	22629867	5417R (purchased through USA Scientific)
Microfuge	USA Scientific	2631-0006	
PippenPrep	Sage Science	PIP0001	
2100 Bioanalyzer	Agilent	G2938B	
High Sensitivity DNA Assay	Agilent	5067-4626	
Sequencing Library qPCR Quantification Kit	Illumina	SY-930-1010	
ProFlex Thermal Cycler	Applied Biosystems	4484073	
QuantStudio 12k Flex	Applied Biosystems	4471134	
EpMotion Robot	Eppendorf	960000111	5070
Ultra-clear centrifuge tubes	Beckman Coulter	344059	
Potassium Bromide	Fisher Chemicals	P205-500	
15 mL conical tube	Thermo Scientific	339650	
Micro-centrifugal filters 0.45 µm	Millipore	UFC30HV00	
Micro-centrifugal filters 0.22 µm	Millipore	UFC30GV00	
miRNAEasy Total RNA Isolation Kits	Qiagen	217004	
Total Cholesterol colormetric kit	Cliniqa (Raichem)	R80035	
10,000 m.w. cut-off centrifugation filter	Amicon	UFC801024	purchased through Millipore
PCR strip tubes	Axygen	PCR-0208-C	purchased through Fisher
microRNA RT kit	Life Technologies	4366597	For 1000 reactions
PCR master mix	Life Technologies	4440041	50 mL bottle
Pierce BCA kit	Thermo Scientific	23225	
Clean and Concentrator Kit	Zymo	D4014	

Dialysis tubing	Spectrum Labs	132118	purchased through Fisher
bcl2fastq2	Illumina	n/a	Software
Cutadapt	https://github.com/marcelm/cutadapt	n/a	Software
NGSPERL	github.com/shengqh/ngsperl	n/a	Software
CQSTools	github.com/shengqh/CQS.Tools	n/a	Software
Bowtie 1.1.2	http://bowtie-bio.sourceforge.net	n/a	Software
GeneSpringGX13.1.1	Agilent	n/a	Software