

Materials List for

RNA Extraction Assay: A Method to Extract RNA from miRNA Transfected Lung Cancer Cells

1

URL: <https://www.jove.com/video/20237>

DOI: [doi:10.3791/20237](https://doi.org/10.3791/20237)

Materials

Name	Company	Catalog Number	Comments
A549 Non Small Cell Lung Cancer Cells	ATCC	ATCC CCL-185	
Ambion Silencer Negative Control No. 1 siRNA	Ambion	AM4611	
hsa-miR-143-3p miRNA Mimic	ABM	MCH01315	
hsa-miR-506-3p miRNA Mimic	ABM	MCH02824	
Fetal Bovine Serum (FBS)	Fisher Scientific	10438026	
HyClone Phosphate Buffered Saline (PBS)	Fisher Scientific	SH30256FS	
DMEM 4.5 g/L Glucose, w/out Sodium Pyruvate, w/ L-Glutamine	VWR	VWRL0100-0500	
Invitrogen UltraPure DNase/RNase-Free Distilled Water	Invitrogen	10-977-015	
Quick-RNA Kits	Zymo Research	R1055	
Ethanol, Absolute (200 Proof), Molecular Biology Grade,	Fisher BioReagents	BP2818500	
-80 °C Freezer	VWR	VWR40086A	
Nanodrop	Thermo Scientific	NanoDrop one C	
96 well plate	CELLTREAT Scientific	50-607-511	
Penicillin-streptomycin 10/10	Antlanta Biologicals	B21210	
CO2 Incubator	Thermo Scientific	HERAcell 150i	
dnase	Zymo Research	E1010	
F-12K Nutrient Mixture (Kaighn's Mod.) with L-glutamine, Corning	Corning	45000-354	
Fetal Bovine Serum - Premium	Antlanta Biologicals	S11150	
Temperature controlled centrifuge matchine	Thermo Scientific	ST16R	
Temperature controlled micro centrifuge matchine	Eppendorf	5415R	