

Materials List for:

Profiling of Estrogen-regulated MicroRNAs in Breast Cancer Cells

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URL: <https://www.jove.com/video/51285>

DOI: [doi:10.3791/51285](https://doi.org/10.3791/51285)

Materials

Name	Company	Catalog Number	Comments
DMEM	Life Technologies	11885092	
F12	Life Technologies	11765054	
FBS	Sigma-Aldrich	F0926-500ML	
Penicillin Streptomycin	Life Technologies	15140122	
Phenol red-free DMEM	Life Technologies	11054020	
Ultrapure Water	EMD Millipore	Specific equipment	
DCC-FBS	Sigma-Aldrich	F6765-500ML	
100x L-glutamine	Life Technologies	25030081	
PBS tablet	Medicago, Accurate Chemicals	Accurate (BF092051-100), Medicago (09-9400-100)	
17β-estradiol	Sigma-Aldrich	E2758	
ICI 182,780	Sigma-Aldrich	I4409	
Ethanol	Sigma-Aldrich	E7023-600ML	
T47D or MCF7 cells lines	American Type Culture Collection (ATCC)	T47D (ATCC HTB-133) and MCF7 (ATCC HTB-22)	
T-75 flask	VWR International LLC	BD353136 (vented cap)	
Trypsin-EDTA	Life Technologies	25300062	
Serological pipet	VWR International LLC	53300. For 5mL (53300-421)	
Countess Cell Counting chamber	Life Technologies	C10228	
Countess Automated Cell Counter	Life Technologies	C10227	
100 mm plates	VWR International LLC	25382-166	
Guanidinium thiocyanate-Phenol solution (TRizol)	Life Technologies	15596026	
Rubber cell scraper	VWR International LLC	82050-470	
Guanidinium thiocyanate-Phenol-Chloroform method (miRNeasy Mini Kit/Trizol)	Qiagen	217004	
Rnase-Free DNase I kit (DNA degradation)	Qiagen	79254	
RNase-free water (Nuclease-free water)	Thermoscientific	SH30538.02	
Nanodrop 1000 Spectrophotometer	Thermoscientific	ND-1000	
Agilent RNA 6000 Nano Assay kit	Agilent	5067-1512	
Agilent 2100 Bioanalyzer	Agilent	G2938C and for software (G2946)	
All primers (except TaqMan primers)	Integrated DNA Technologies	Specific per order for each gene/ miRNA	

First strand buffer, DTT, dNTPs, superscript III (Superscript III cDNA synthesis kit)	Life Technologies	18080085	
MicroAmp Fast 96-well reaction plate	Life Technologies	4346906	
Fast Optical Adhesive Covers	Life Technologies	4311971	
2x SYBR green PCR master mix (Cyanine dye)	Life Technologies	4385612	
7500 Fast Real-Time PCR System and software	Life Technologies	4351106	
µParafluo Microfluidic Biochip Technology	LCSciences	MRA-1001 and AS-2001(for result analysis)	
DLP-LDA (TLDA) Megaplex Pools Assay (Rt primers/Human pool set)	Life Technologies	4400928	
Dual Labeled Probes (TaqMan) miRNA RT kit	Life Technologies	4366596	
GeneAmp PCR System 9700 thermocycler	Life Technologies	4310899	
Dual Labeled Probes (TaqMan) 2x Universal PCR Master Mix-No AmpErase UNG	Life Technologies	4324018	
7900HT Fast Real-Time PCR system	Life Technologies	4329001	
SDS and RQ manager softwares	Life Technologies	4444202	
NCode miRNA First-Strand cDNA Synthesis and qRT-PCR Kit	Life Technologies	MIRC-50	
10x DPL (TaqMan) RT primers	Life Technologies	Specific for each miRNA	
20x DPL (TaqMan) real-time assay primer	Life Technologies	Specific for each miRNA	