

Materials List for:

Adapting 3' Rapid Amplification of cDNA Ends to Map Transcripts in Cancer

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Materials

Name	Company	Catalog Number	Comments
HeLa cells	ATCC	CCL-2	Cervical cancer cell line.
Jeko-1 cells	ATCC	CRL-3006	Mantle cell lymphoma cell line.
Granta-519 cells	DSMZ	ACC-342	Mantle cell lymphoma cell line.
Fetal Bovine Serum	Sigma Aldrich	F6178	Fetal bovine serum for cell culture.
Penicillin/Streptomycin	ThermoFisherScientific	15140122	Antibiotic and antimycotic.
GlycoBlue	Ambion	AM9545	Coprecipitant.
DMEM	ThermoFisherScientific	10569044	Gibco brand cell culture media with GlutaMAX.
Nuclease Free-Water	ThermoFisherScientific	AM9938	Ambion DNase and RNase free water(non DEPC treated).
Dulbecco's Phosphate-Buffered Solution	Corning	21-030	1X PBS.
Chloroform	Sigma Aldrich	C7559-5VL	
2-propanol	Sigma Aldrich	I9516	
Reagent Alcohol	Sigma Aldrich	793175	Ethanol
Ethidium Bromide solution	Sigma Aldrich	E1510	
TRIzol Reagent	ThermoFisherScientific	15596026	Monophasic phenol and guanidine isothiocyanate reagent.
2X Extender PCR-to-Gel Master Mix	Amresco	N867	2X PCR-to-Gel Master Mix containing loading dye used in routine quick PCR assays and primer search.
10mM dNTP	Amresco	N557	
RQ1 RNase-Free DNase	Promega	M6101	Dnase treatment kit.
Gel Loading Dye Orange (6X)	New England BioLabs	B7022S	
2X Phusion High-Fidelity PCR Master Mix with HF buffer	ThermoFisherScientific	F531S	2X PCR MasterMix containing a chimeric DNA polymerase consisting of a DNA binding domain fused to a Pyrococcus-like proofreading polymerase and other reagents.
PfuUltra II Fusion HS DNA polymerase	Agilent Technologies	600670	Modified DNA Polymerase from Pyrococcus furiosus (Pfu).
RevertAid RT Reverse Transcription Kit	Thermo Fischer	K1691	Used for reverse transcription of mRNA into cDNA synthesis. Kit includes Ribolock RNase inhibitor, RevertAid M-MuLV reverse transcriptase and other reagents listed in manuscript.
Perfect size 1Kb ladder	5 Prime	2500360	Molecular weight DNA ladder.
Alpha Innotech FluorChem Q Multimage III	Alpha Innotech		Used to visualise ethidium bromide stained agarose gel.

Low Molecular Weight Ladder	New England BioLabs	N3233L	Molecular weight DNA ladder.
Vortex Mixer	MidSci	VM-3200	
Mini Centrifuge	MidSci	C1008-R	
Dry Bath	MidSci	DB-D1	
NanoDrop 2000C	ThermoFisherScientific	ND-2000C	Spectrophotometer.
Wide Mini-Sub Cell GT Horizontal Electrophoresis System	BioRad	1704469	Electrophoresis equipment- apparatus to set up gel
PowerPac Basic Power Supply	BioRad	1645050	Power supply for gel electrophoresis.
Agarose	Dot Scientific	AGLE-500	
Mastercycler Gradient	Eppendorf	950000015	PCR thermocycler.
Centrifuge	Eppendorf	5810 R	
Centrifuge	Eppendorf	5430R	
Wizard SV Gel and PCR Fragment DNA Clean-Up System	Promega	A9281	
Zero Blunt TOPO PCR Cloning Kit, with One Shot TOP10 Chemically Competent E. coli cells	ThermoFisherScientific	K280020	
MyPCR Preparation Station Mystaire	MidSci	MY-PCR24	Hood dedicated to PCR work.
Hamilton SafeAire II fume hood	ThermoFisherScientific		Fume hood.
Beckman Coulter Z1 Particle Counter	Beckman Coulter	6605698	Particle counter. For counting cells before plating for RNA extraction.
Applied Biosystems Sequence Scanner Software v2.0	Applied Biosystems (through ThermoFisherScientific)		Software to analyze Sanger sequencing data.