

Materials List for:

Retrospective MicroRNA Sequencing: Complementary DNA Library Preparation Protocol Using Formalin-fixed Paraffin-embedded RNA Specimens

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URL: <https://www.jove.com/video/57471>

DOI: [doi:10.3791/57471](https://doi.org/10.3791/57471)

Materials

Name	Company	Catalog Number	Comments
1% Triton x-100	Invitrogen	HFH10	
10mM ATP	Ambion	AM8110G	
10X dNTPs	Ambion	AM8110G	
10x TBE	ThermoFisher Scientific	15581044	
14M Mercaptoethanol	Sigma	O3445I-100	
20 nt ladder	Jena Bioscience	M-232S	
20mg/ml Bovine Serum Albumine	Sigma	B8894-5ML	
50X Titanium Taq	Clontech Laboratories	639208	
Ammonium Persulfate	Fisher Scientific	7727-54-0	
BRL Vertical Gel Electrophoresis System with glass plates and combs	GIBCO	V16	
Dimethyl sulfoxide (DMSO)	Sigma	D9170-5VL	
Eppendorf microcentrifuge 5424R	USA scientific	4054-4537Q	
Eppendorf Thermomixer	USA scientific	4053-8223Q	
Fisherbrand™ Siliconized Low-Retention Microcentrifuge Tubes 1.5ml	Fisher Scientific	02-681-320	
Gel Breaker Tube 0.5 ml	IST Engineering Inc,	3388-100	
Gel electrophoresis apparatus 7cm x10cm- Mini-sub Cell GT with gel trays and combs	Biorad	1704446	
Glycoblue	Ambion	AM9516	
Jersey-Cote	LabScientific, Inc	1188	
KcL 2M	Ambion	AM9640G	
MgCl ₂ 1M	Ambion	AM9530G	
Minifuge dual rotor personal centrifuge	USA scientific	2641-0016	
Model V16 polyacrylamide gel electrophoresis apparatus, glasses, combs, and spacers	Ciore Life Science	21070010	
Oligonucleotides	IDT	Defined during order	

Owl EasyCast B2 mini electrophoresis system- with gel trays and combs	ThermoFisher Scientific	B2	
Qiaquick Gel Extraction kit	Qiagen	28704	
Restriction enzyme PmeI	NEB	R0560S	
RNase-free water	Ambion	AM9932	
Safe Imager 2.0	Life Technologies	G6600	
Safe Imager 2.0 blue light transilluminator	ThermoFisher	G6600	
SeaKem LE agarose	Lonza	50002	
Superscript III reverse transcription kit	Invitrogen	18080-044	
SybrGold	Life Technologies	S11494	
T4 RNA Ligase 1	NEB	M0204S	
T4 RNA Ligase 2 Truncated K227Q	NEB	0351L	
TEMED	Fisher Scientific	O34461-100	
Thermocycler with heated lid	Applied Biosystem	4359659	
Tris 1M pH 7.5	Invitrogen	15567027	
Tris 1M pH8.0	Ambion	AM9855G	
UltraPure Sequagel system concentrate, diluent, and buffer	National Diagnostics	EC-833	