

Materials List for

# Preparation of Small RNA Libraries for Sequencing from Early Mouse Embryos

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## Citation

Keuls, R.A., Parchem, R. Preparation of Small RNA Libraries for Sequencing from Early Mouse Embryos. *J. Vis. Exp.* (), e61086, doi:10.3791/61086 (2020).

## Date Published

October 9, 2020

## DOI

10.3791/61086

## URL

jove.com/video/61086

## Materials

Name	Company	Catalog Number	Comments
#5 Forceps Fine Science Tools	Fisher Scientific	NC9277114	
0.4% Trypan blue	ThermoFisher	15250061	
10 cm Petri dishes	Fisher Scientific	07-202-011	
2-Propanol	Millipore Sigma	I9516-500ML	
5 % Criterion TBE Polyacrylamide Gel, 12+2 well, 45 µL	Bio-Rad	3450047	
5200 Fragment Analyzer	Agilent	M5310AA	
96 well PCR plates high profile semi skirted clear/clear	Bio-Rad	HSS9601	
BD FACSAria II	bdbiosciences		
Bovine Serum Albumin, fraction V	Fisher Scientific	BP1600100	
Dulbecco's Phosphate-Buffered Saline (DPBS)	Gendepot	CA008-300	
Eppendorf tubes	Fisher Scientific	05-408-129	
Ethanol Pure, 200 proof anhydrous	Sigma Aldrich	E7023-500ml	
FC-404-2001	Illumina	FC-404-2001	
HS NGS Fragment kit	Agilent	DNF-474-0500	
HS RNA Kit	Agilent	DNF-472-0500	
miRNeasy Mini Kit (50)	Qiagen	217004	
NEXTflex Small RNA-Seq Kit v3 (48 barcodes)	Fisher Scientific	NC1289113	
NextSeq 500/550 Mid Output Kit v2 (150 cycles)	Illumina	FC-404-2001	
NGS Fragment kit	Agilent	DNF-473-1000	
Papain	Worthington	LK003176	resuspend in 5 mL of Ca/Mg free PBS for a final concentration of 27 U/mL
SYBR Gold nucleic acid gel stain	ThermoFisher	S11494	
Trizol LS	ThermoFisher	10296028	

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UVP Benchtop UV Transilluminators: Single UV	Fisher Scientific	UVP95044701	
Vannas Scissors Straight Fine Science Tools #91500-09	Fisher Scientific	NC9609583	