

Materials List for:

Sequencing Small Non-coding RNA from Formalin-Fixed Tissues and Serum-Derived Exosomes from Castration-Resistant Prostate Cancer Patients

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Materials

Name	Company	Catalog Number	Comments
3M NaOAc pH 5.5	USB Corp.	75897 100 mL	
5 µm filter tubes	IST Engineering Inc.	5388-50	
6% TBE polyacrylamide gels	Novex	EC6265BOX	
BaseSpace	Illumina		Analysis software
Bio-analyzer	Agilent		
DNA loading dye	Novex	LC6678	
Eppendorf Thermostat plus	Eppendorf 1.5 mL		
EtBr	Pierce	17898	
Ethyl alcohol 200 proof	Pharmco	111000200	
Exosomal RNA isolation kit	Norgen	58000	
Gel breaking tubes	IST Engineering Inc.	3388-100	
Glycogen molecular biology grade	Thermo Scientific	R0561	
Hematoxylin Select	Stat lab	SL401	
Microcentrifuge	Fisher Scientific	13-100-676	accuSpin Micro 17R
miRNeasy FFPE kit	Qiagen	217504	
Nanodrop	Thermo Scientific	Nano Drop 1000	
Nanosight NTA	Malvern	LM14	
NextSeq 500 Sequencer	Illumina		
NextSeq 500/550 Mid Output Kit v2 (150 cycles)	Illumina	FC-404-2001	
Pellet paint	Millipore	70748-3	
Superscript II Reverse Transcriptase	Invitrogen	18064014	
T4 RNA Ligase 2 Deletion Mutant	Lucigen	LR2D11310K	
TBE Running buffer (5X)	Novex	LC6675	
Thermal cycler	MJ Research	PTC100	
Total exosome isolation reagent (from serum)	Invitrogen	4478360	
TrueSeq small RNA library Prep kit-Set A (Indexes 1-12)	Illumina	RS-200-0012	
Xylene	Fisher Scientific	X3P- 1GAL	
RNA 3' Primer			GUUCAGAGUUCUACAGUCCGACGAUC
RNA 5' Primer			TGGAATTCTCGGGTGCCAAGG
Stop Oligo			GAAUCCACCACGUUCCCGUGG

RNA RT Primer			GCCTTGGCACCCGAGAATTCCA
RNA PCR Primer			AATGATACGGCGACCACCGAGATCTACACG
RNA PCR Index Primer			CAAGCAGAAGACGGCATACGAGAT[6 bases]GTGACTGGAGTTCCTTGGCACCCGA
-	-	-	6 bases in adapter
RNA PCR Index Primer 1			CGTGAT
RNA PCR Index Primer 2			ACATCG
RNA PCR Index Primer 3			GCCTAA
RNA PCR Index Primer 4			TGGTCA
RNA PCR Index Primer 5			CACTGT
RNA PCR Index Primer 6			ATTGGC
RNA PCR Index Primer 7			GATCTG
RNA PCR Index Primer 8			TCAAGT
RNA PCR Index Primer 9			CTGATC
RNA PCR Index Primer 10			AAGCTA
RNA PCR Index Primer 11			GTAGCC
RNA PCR Index Primer 12			TACAAG