

Materials List for:

Identification of Coding and Non-coding RNA Classes Expressed in Swine Whole Blood

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Materials

Name	Company	Catalog Number	Comments
PAXgene Tubes	PreAnalytix	762165	
Molecular Biology Grade Water	ThermoFisher	10977-015	
mirVana miRNA Isolation Kit	ThermoFisher	AM1560	
Rneasy MinElute Clean Up Kit	QIAGEN	74204	
100% Ethanol	Decon Labs, Inc.	2716	
0.2 mL thin-walled tubes	ThermoFisher	98010540	
1.5 mL RNase/DNase - free tubes	Any supplier		
Veriti 96-well Thermocycler	ThermoFisher	4375786R	
Globin Reduction Oligo (α 1)	Any supplier		Sequence GAT CTC CGA GGC TCC AGC TTA ACG GT
Globin Reduction Oligo (α 2)	Any supplier		Sequence TCA ACG ATC AGG AGG TCA GGG TGC AA
Globin Reduction Oligo (β 1)	Any supplier		Sequence AGG GGA ACT TAG TGG TAC TTG TGG GT
Globin Reduction Oligo (β 2)	Any supplier		Sequence GGT TCA GAG GAA AAA GGG CTC CTC CT
10X Oligo Hybridization Buffer			
-Tris-HCl, pH 7.6	Fisher Scientific	BP1757-100	
-KCl	Millipore Sigma	60142-100ML-F	
10X RNase H Buffer			
-Tris-HCl, pH 7.6	Fisher Scientific	BP1757-100	
-DTT	ThermoFisher	Y00147	
-MgCl ₂	Promega	A351B	
-Molecular Biology Grade Water	ThermoFisher	10977-015	
RNase H	ThermoFisher	AM2292	
SUPERase-IN	ThermoFisher	AM2694	Rnase inhibitor
EDTA	Millipore Sigma	E7889	
Microcentrifuge	Any supplier		
2100 Electrophoresis BioAnalyzer Instrument	Agilent Technologies	G2938C	
Agilent RNA 6000 Nano Kit	Agilent Technologies	5067-1511	
Agilent High Sensitivity DNA Kit	Agilent Technologies	5067-4626	
TruSeq Stranded Total RNA Library Prep Kit with Ribo-Zero	Illumina	RS-122-2201	mRNA kit; Human/Mouse/Rat Set A (48 samples, 12 indexes)

TruSeq Stranded Total RNA Sample Preparation Guide	Illumina		Available on-line
RNAClean XP Beads	BeckmanCoulter	A63987	
AMPure XP Beads	BeckmanCoulter	A63880	
MicroAmp Optical 8-tube Strip	ThermoFisher	N8010580	0.2 ml thin-walled tubes
MicroAmp Optical 8-tube Strip Cap	ThermoFisher	N801-0535	
RNase/DNase - free reagent reservoirs	Any supplier		
SuperScript II Reverse Transcriptase	ThermoFisher	18064-014	
MicroAmp Optical 96 well plates	ThermoFisher	N8010560	These were used in place of .3mL plates as needed
MicroAmp Optical adhesive film	ThermoFisher	4311971	
NEBNext Multiplex Small RNA Library Prep Set for Illumina® (Set 1)	New England Biolabs	E73005	small RNA kit
NEBNext Multiplex Small RNA Library Prep Set for Illumina® (Set 2)	New England Biolabs	E75805	small RNA kit
QIAQuick PCR Purification Kit	QIAGEN	28104	
96S Super Magnet Plate	ALPAQUA	A001322	