

Materials List for:

Purifying the Impure: Sequencing Metagenomes and Metatranscriptomes from Complex Animal-associated Samples

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Materials

Name	Company	Catalog Number	Comments
Guanidine isothiocyanate-based RNA lysis buffer	Life Technologies	10296-028	TRIzol LS Reagent was used in this study
Silica beads; 0.1 to 0.15 mm	Cole-Parmer	YO-36270-62	Zirconia-silicate beads were used in this study
Dithiothreitol, molecular grade (dry powder)	Promega	V3155	Can be purchased from any other company
Sterile syringe filter; 0.45 µm pore size hydrophilic PVDF membrane	Millipore	SLHV033RS	
DNase I enzyme	Calbiochem	260913	
Sterile syringe filter; 0.02 µm pore size	FisherScientific	09-926-13	Diameter: 25 mm
Ultra-clear centrifuge tubes	Beckman	344059	9/16 x 3 1/2 in. (14 x 90 mm), suitable for SW41 Ti Rotor and VLPs density gradient ultracentrifugation
SW41 Ti Rotor	Beckman	333790	
SS-34 fixed angle rotor	Thermo Scientific	28020	
Phi29 DNA polymerase	Monserate Biotech	4001	10 U/µl
Phi29 Random Hexamer	Thermo Scientific	S0181	Previously bought from Fidelity Systems
Alumina matrix filter with annular polypropylene support ring; 0.02 µm pore size	FisherScientific	09-926-34	Whatman Anodisc filter membranes were used in this study; diameter 25 mm
SYBR Gold nucleic acid gel stain	Life Technologies	S-11494	
2-Mercaptoethanol	Sigma-Aldrich	M6250-100ML	
RNase-free DNase I	NEB	M0303S	Can be purchased from any other company
Glycogen, RNA grade	FisherScientific	FERR0551	Can be purchased from any other company
Oak Ridge high-speed centrifuge tubes	FisherScientific	05-562-16B	For large volume DNA extraction procedure, suitable for SS-34 fixed-angle rotor
Total rRNA removal kit	Epicentre	MRZE724	ScriptSeq Complete Gold Kit (Epidemiology) can be used to couple rRNA removal with sequencing library preparation
Cesium chloride	FisherScientific	BP1595-500	

Hexadecyltrimethyl-ammonium bromide (CTAB)	Sigma-Aldrich	H5882-100G	
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