

Materials List for:

An Improved Method of RNA Isolation from Loblolly Pine (*P. taeda* L.) and Other Conifer Species

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Materials

Name	Company	Catalog Number	Comments
RNA Isolation Buffer			2% CTAB (hexadecyltrimethylammonium bromide), 2% PVP (polyvinyl pyrrolidinone; Mw 30-40,000), 100mM Tris-HCl (pH8.0), 25mM EDTA, 2.0M NaCl, 0.5g/L Spermidine
Chloroform	Fisher Scientific	C298-4	
Phenol, Ultrapure	Invitrogen	15509-037	
10M LiCl			Made with DEPC-treated water
SSTE Buffer			1M NaCl, 0.5% SDS, 10mM Tris-HCl (pH8.0), 1mM EDTA (pH8.0)
Sodium acetate (NaOAc) 3M pH4.8			Made with DEPC-treated water
Phenol-chloroform (pH8.0)			120mL phenol, 160mL chloroform titrated with multiple changes of 0.5M Tris-Cl pH 8.0
Oak Ridge High Speed Teflon Tubes	Thermo Fisher Scientific, Inc.	#05-562-16B	
Polypropylene 50mL High Speed Tubes	Thermo Fisher Scientific, Inc.	#05-562-10K	
BD Falcon, sterile, capped 50mL conical disposable tubes	VWR international	#21008-939	
Phase Lock Gel Heavy, 2mL	Thermo Fisher Scientific, Inc.	#2302830	
Ambion RNase-free Microfuge Tubes, 2mL	Ambion	#AM12425	