

Materials List for:

Robust DNA Isolation and High-throughput Sequencing Library Construction for Herbarium Specimens

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Materials

Name	Company	Catalog Number	Comments
Veriti Thermal Cycler	Applied Biosystems	4452300	96 well
Gel Imaging System	Azure Biosystems	c300	
Microfuge 20 Series	Beckman Coulter	B30137	
Digital Dry Bath	Benchmark Scientific	BSH1001	
Electrophoresis System	EasyCast	B2	
PURELAB flex 2 (Ultra pure water)	ELGA	89204-092	
DNA LoBind Tube	Eppendorf	30108078	2 ml
Mini centrifuge	Fisher Scientific	12-006-901	
Vortex-Genie 2	Fisher Scientific	12-812	
Mortar	Fisher Scientific	S02591	porcelain
Pestle	fisher Scientific	S02595	porcelain
Centrifuge tubes	fisher Scientific	21-403-161	
Microwave	Kenmore	405.7309231	
Qubit Assay Tubes	Invitrogen	Q32856	
0.2 ml Strip tube and Cap for PCR	VWR	20170-004	
Qubit 2.0 Fluorometer	Invitrogen	Q32866	
Balance	Mettler Toledo	PM2000	
Liquid Nitrogen Short-term Storage	Nalgene	F9401	
Magnetic-Ring Stand	ThermoFisher Scientific	AM10050	96 well
Water Bath	VWR	89032-210	
Hot Plate Stirrers	VWR	97042-754	
Liquid Nitrogen	Airgas	UN1977	
1 X TE Buffer	Ambion	AM9849	pH 8.0
CTAB	AMRESCO	0833-500G	
2-MERCAPTOETHANOL	AMRESCO	0482-200ML	
Ribonuclease A	AMRESCO	E866-5ML	10 mg/ml solution
Agencourt AMPure XP	Beckman Coulter	A63882	
Sodium Chloride	bio WORLD	705744	
Isopropyl Alcohol	bio WORLD	40970004-1	
Nuclease Free water	bio WORLD	42300012-2	
Isoamyl Alcohol	Fisher Scientific	A393-500	
Sodium Acetate Trihydrate	Fisher Scientific	s608-500	

LE Agarose	GeneMate	E-3120-500	
100bp PLUS DNA Ladder	Gold Biotechnology	D003-500	
EDTA, Disodium Salt	IBI Scientific	IB70182	
Qubit dsDNA HS Assay Kit	Life Technologies	Q32854	
TRIS	MP Biomedicals	103133	ultra pure
Gel Loading Dye Purple (6 X)	New England BioLabs	B7024S	
NEBNext dsDNA Fragmentase	New England BioLabs	M0348L	
NEBNext Ultra II DNA Library Prep Kit for Illumina	New England BioLabs	E7645L	
NEBNext Multiplex Oligos for Illumina	New England BioLabs	E7600S	Dual Index Primers Set 1
NEBNext Q5 Hot Start HiFi PCR Master Mix	New England BioLabs	M0543L	
Mag-Bind RXNPure Plus	Omega bio-tek	M1386-02	
GelRed 10000 X	Pheonix Research	41003-1	
Phenol solution	SIGMA Life Science	P4557-400ml	
PVP40	SIGMA-Aldrich	PVP40-50G	
Chloroform	VWR	EM8.22265.2500	
Ethanol	Koptec	V1016	200 Proof
Silica sand	VWR	14808-60-7	
Reamplification primers	Integrated DNA Technologies	see text	
Sequencher v.5.0.1	GeneCodes		