

Materials List for:

Hybrid-Cut: An Improved Sectioning Method for Recalcitrant Plant Tissue Samples

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Materials

Name	Company	Catalog Number	Comments
Embedding Center model EC780-1	CSA		
Microtome model RM2255	Leica		
Cryostat model CM 1950	Leica		
Axio Scope A1 microscope	Zeiss		
Murashige & Skoog medium including vitamins	Duchefa Biochemia	M0222.0050	
RNase free surface decontaminant	Apex	10-228	
Diethyl pyrocarbonate (DEPC)	Bio Basic Inc.	D801154	
Sodium chloride (NaCl)	MDBio, Inc.	101-7647-14-5	
Potassium chloride, crystal (KCl)	J.T. Baker	7447-40-7	
Sodium phosphate dibasic (Na ₂ HPO ₄)	Sigma-Aldrich	7558-79-4	
Potassium phosphate monobasic (KH ₂ PO ₄)	Sigma-Aldrich	7778-77-0	
Paraformaldehyde (PFA)	Sigma-Aldrich	16005	
Sodium hydroxide (NaOH)	Showa	19430160	
Sulfuric acid (H ₂ SO ₄)	Sigma-Aldrich	7664-93-9	
Glutaraldehyde solution	Sigma-Aldrich	111-30-8	
Polyoxyethylene 20 sorbitan monolaurate (Tween 20)	J.T. Baker	9005-64-5	
Octyl Phenol Ethoxylate (Triton X100)	J.T. Baker	9002-93-1	
Glass scintillation vials	Newastar	DG60805-00020	
Desiccator vacuum	Violet Bioscience Inc.	TS-402030	
Rotary vane pump RZ2.5	Vacuubrand	36149406	
Ethanol	J.T. Baker	64-17-5	
Sub-X	Leica Surgipath	3803670	Xylene substitute
Paraplast Plus	Leica Surgipath	39602004	Tissue embedding paraffin
SUPERFROST micro slide glass	Matsunami	S7441	
FSC 22 Clear	Leica Surgipath	3801480	Optimal Cutting Temperature compound (OCT)
Xylenes, Purified	Leica Surgipath	3803665	
Hematoxylin	Merck	HX305311	
Hydrochloric acid (HCl)	Sigma-Aldrich	7647-01-0	
Micromount	Leica Surgipath	3801731	Mounting medium

pGEM T-easy vector	Promega	A1360	
Proteinase K	Roche	3115879001	
SP6/T7 DIG RNA Labeling Kit	Roche	11175025910	
NBT/BCIP stock solution	Roche	11681451001	