

Materials List for:

Experimental Design for Laser Microdissection RNA-Seq: Lessons from an Analysis of Maize Leaf Development

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Materials

Name	Company	Catalog Number	Comments
Diethyl pyrocarbonate	Sigma-Aldrich	159220	Used for RNase treatment of solutions
Razor blades	Electron Microscopy Sciences	72000	
RNase Zap	Sigma-Aldrich	R2020-250ML	RNase decontamination solution
Ethanol absolute 200 proof	Fisher Scientific	BP28184	
Acetic acid, glacial	Sigma-Aldrich	A6283	
Glass vials - 22 ml	VWR	470206-384	
Xylenes, histological grade	Sigma-Aldrich	534056-4L	
Paraplast plus	Sigma-Aldrich	P3683-1KG	
Disposable base molds, 15 mm x 15 mm x 5 mm	VWR	15154-072	
Embedding rings	VWR	15154-303	
Silica gel packets	Electron Microscopy Sciences	71206-01	Desiccant for storage of paraffin blocks
Oven	Fisher Scientific	15-103-0503	Oven must maintain temperature of 60 °C
Paraffin embedding station	Leica	EG1160	
Microtome	Leica	RM2235	
Slide warmer	Electron Microscopy Sciences	71317-10	
Coplin jars	Electron Microscopy Sciences	70316-02	
Laser microdissector	Zeiss		
KIMWIPES™ Delicate Task Wipers	Kimberly-Clark Professional	34120	Lint-free wipes for wicking excess solutions from microscope slides
Membrane Slide 1.0 PEN	Zeiss	415190-9041-000	Slides for laser microdissection
Adhesive Cap 200 opaque	Zeiss	415190-9181-000	Tubes for laser microdissection
PicoPure RNA Isolation Kit	ThermoFisher Scientific	KIT0204	