

Materials List for:

High Resolution Quantification of Crystalline Cellulose Accumulation in *Arabidopsis* Roots to Monitor Tissue-specific Cell Wall Modifications

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URL: <https://www.jove.com/video/53707>

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Materials

Name	Company	Catalog Number	Comments
Murashige & Skoog (MS)	Duchefa	M0221	
Borax	LOBA CHEMIE	6038	
Methylene blue	Sigma	M-9140	
Azure	Sigma	861065	
Syringe Driven 0.22 mm PVDF Filter	MILLEX-GV		
Glutaraldehyde	EMS	16220	
Sodium Cacodylate	Sigma	C-0250	
Leica kit historesin	Leica	7022 18 500	
embedding molds	Agar Scientific	AGG3530	
film 100 µ P.P.C.	www.Jolybar.com		overhead film
Knivemaker	LKB	7800	
Ultratome III	LKB	8800	Ultratome
Shandon immumount	Thermo	9990402	mounting medium
light microscope	Nikon	Eclipse 80i	
Abrio imaging system	CRI	Abrio imaging system	
Abrio V2.2 software	CRI	Abrio V2.2 software	
Open access polarized light image analysis software	OPS	OpenPolScope	http://www.openpolscope.org/