

Materials List for:

A Strategy to Validate the Role of Callose-mediated Plasmodesmal Gating in the Tropic Response

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Materials

Name	Company	Catalog Number	Comments
HPTS (8-Hydroxypyrene -1,3,6-trisulfonic acid trisodium salt)	Sigma	H1529-1G	Fluorescent dye as symplasmic tracer
LE Agarose	Dongin-Genomic	GEL001-500G	Used for HPTS agarose block
Microwave oven	LG-Goldstar		Machine for boiling agarose gel
100 ml glass conical flask	Dong Kwang	A0205	Used to boil HPTS agarose gel
Petri dish (35 mm x 10 mm)	SPL life sciences	SPL10035	Used to make HPTS agarose blocks and wash plant samples
Microscope cover slides and glass slides (24 mm x 50 mm)	Marienfeld Laboratory Glassware	101222	Used for HPTS agarose blocks and microscopic sample preparation
MS medium plates 125 mm x 125 mm x 20 mm	SPL life sciences	SPL11125	Plates to make MS agar medium
Scissors	Germany Stainless	HSB 942-11	Used to excise hook region of plant samples
Murashige and Skoog (MS) basal salt mixture	Duchefa	P10453.01	MS medium including vitamins.
(N-morpholino) ethanesulfonic acid (MES) monohydrate	Bioshop	3G30212	To make MS media.
Plant agar	Duchefa	P1001.1000	To solidify MS media.
Autoclave	ALP	CL-40L	
Shaker	Wise Mix	SHO-1D	To wash off the aniline blue staining buffer and HPTS dye in a placid way.
1 ml Blue tips	Sorenson	10040	
1 ml pipette	BioPette	L-1101-2	
Surgical tape	Micropore	1530-0	To seal the MS plate
Aniline blue (Methyl blue)	Sigma	M5528-25G	Used to prepare aniline blue staining buffer.
Glycine	Bioshop	GLN001	Used to prepare aniline blue staining buffer.
DDG	Sigma	D8375-1G	Used for the inhibition of callose synthases.
Confocal microscope	Olympus	FV1000MPE SIM	To check aniline blue staining and HPTS dye loading result.
Stirrer	I lab	K400	To mix media solution.
Aluminium foil	SW cooking foil		To wrap plates in a dark condition.
Sodium hypochlorite	Samjin Industry		To surface-sterilized seeds