

Materials List for:

Visualizing Cellular Gibberellin Levels Using the NlsGPS1 Förster Resonance Energy Transfer (FRET) Biosensor

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Materials

Name	Company	Catalog Number	Comments
nlsGPS1 Col0 Arabidopsis seeds	NASC	N2107734	
nlsGPS-NR Col0 Arabidopsis seeds	NASC	N2107735	
Gibberellin A ₄ (GA ₄)	Sigma	G7276	dissolve in EtH 70% , and keep at -20 °C
sodium hypochlorite solution (Bleach)	Fisher S/5040	HSRA 064	
Hydrogen chloride HCl	Sigma	31434	
Micropore tape	3M	1530-1	
ibidi sticky-slide	Ibidi	81128	Luer 0.1 for root imaging
ibidi sticky-slide	Ibidi	80168	Luer 0.2 for hypocotyl imaging
glass coverslip for sticky slides	Ibidi	10812	
Elbow Luer Connectors	Ibidi	10802	
silicone tubing	Ibidi	108401	
Luer Lock Connector	Ibidi	10826	
programmable syringe pump	World Precision Instruments	AL-1000	
Vacuum grease	Sigma	18405	
Murashige and Skoog Basal Salts	Duchefa	M0221	
Agar plant, 1 kg	Melford	P1001	
Microscope slide ground edges, 76 mm x 26 mm, 1.0 mm to 1.2 mm thick	Fisher Scientific	12383118	
Cover slip No.1 1/2 glass 22 mm x 22 mm	Fisher Scientific	12363138	
Luer-slip Syringe 20 mL	Fisher Scientific	10785126	
3M Micropor Surgical Paper Tape	Fisher Scientific	12787597	
Potassium Hydroxide, 500 g	Sigma Aldrich	221473-500G-D	
Absolute Ethanol	Fisher Scientific	10428671	
Forceps Watchmaker 5 StSteel	Scientific Laboratory Supplies	INS4340	
Scissors, 125 mm, stainless steel	Fisher Scientific	12338099	
Fitting reducer 0.5 to 1.6	Ibidi	10829	
Leica SP8			Confocal laser microscope 1
Zeiss LSM 780			Confocal laser microscope 2
Imaris	Bitplane		3D visualization and Analysis software
Fiji			image analysis software

OriginPro	Origin Lab		Statistical Analysis Software
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