

Materials List for:

A Robotic Platform for High-throughput Protoplast Isolation and Transformation

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URL: <https://www.jove.com/video/54300>

DOI: [doi:10.3791/54300](https://doi.org/10.3791/54300)

Materials

Name	Company	Catalog Number	Comments
Orbitor RS Microplate mover	Thermo Scientific		
Bravo Liquid Handler	Agilent		
Synergy H1 Multi-mode Reader	BioTek		
MultiFlo FX Multi-mode Dispenser	BioTek		
Teleshake	Inheco	3800048	
CPAC Ultraflat Heater/cooler	Inheco	7000190	
Vworks Automation Software	Agilent		Software used to control and write protocols for Agilent Bravo
Momentum Software	Thermo Scientific		Task scheduling software for controlling Orbiter RS
Liquid Handling Control 2.17 Software	Biotek		Software used to control and write protocols for MultiFlo FX
IX81 Inverted Microscope	Olympus		
Zyla 3-Tap microscope camera	Andor		
ET-CY3/TRITC Filter Set	Chroma Technology Corp	49004	
Rohament CL	AB Enzymes	sample bottle	low-cost cellulase
Rohapect UF	AB Enzymes	sample bottle	low-cost pectinase
Rohapect 10L	AB Enzymes	sample bottle	low-cost pectinase/arabinase
Linsmaier & Skoog Basal Medium	Phytotechnology Laboratories	L689	
2,4-dichlorophenoxyacetic acid	Phytotechnology Laboratories	D295	
propidium iodide	Sigma Aldrich	P4170	
Poly(ethylene glycol) 4000	Sigma Aldrich	95904-250G-F	Formerly Fluka PEG
Propidium Iodide	Fisher Scientific	25535-16-4	Acros Organics
CaCl ₂	Sigma Aldrich	C7902-1KG	
Sodium Acetate	Fisher Scientific	BP333-500	
Mannitol	Sigma Aldrich	M1902-1KG	
Sucrose	Fisher Scientific	S5-3	
KH ₂ PO ₄	Fisher Scientific	AC424205000	
KOH	Sigma Aldrich	P1767	
Gelzan CM	Sigma Aldrich	G1910-250G	
6-well plate	Thermo Scientific	103184	
96-well 1.2 ml deep well plate	Thermo Scientific	AB-0564	
96 well optical bottom plate	Thermo Scientific	165305	

Finntip 1000 Wide bore Pipet tips	Thermo Scientific	9405 163	
NaCl	Fisher Scientific	BP358-10	
KCl	Sigma Aldrich	P4504-1KG	
MES	Fisher Scientific	AC17259-5000	
MgCl ₂	Fisher Scientific	M33-500	