

Materials List for

Enabling High-throughput Transgene Expression Studies Using Automated Liquid Handling for Etiolated Maize Leaf Protoplasts

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Materials

Name	Company	Catalog Number	Comments
(2)β-mercaptoethanol	Sigma	M6250	
2-(N-Morpholino)ethanesulfonic acid (MES) monohydrate	Sigma	69892	
50mL centrifuge tubes with flat cap sterile	Fisher	22-010-064	
96 Well Optical Btm Plt PolymerBase Black w/Lid Cell Culture Sterile PS .4mL Well	Fisher	12-566-70	
Axygen Biomek FX/NX Robotic Tips, non-sterile, Wide Bore	Fisher	14-222-096	
Axygen Robotic Tips 30uL filter, sterile, racked	Fisher	14-222-103	
Bel-Art SP Scienceware Lab Companion Round Style Vacuum Desiccators	Fisher	08-648-10	
Bemis 2 IN. X 250 Ft. Roll Laboratory Parafilm	Fisher	13-374-16	
Biomek FXP	Beckman Coulter	902508	
Calcium chloride dihydrate	Sigma	C5080	
Chemglass Life Sciences Disposable Hemocytometer	Fisher	50-131-1352	
Clorox Germicidal Bleach, Concentrated	Fisher	NC1871274	
Corning Microplate Aluminum Sealing Tape	Fisher	07-200-684	
Corning 96-Well assay Blocks, 2mL, 96 well standard	Fisher	07-200-701	
DL-Dithiothreitol (DTT)	Sigma	10197777001	

D-Mannitol	Sigma	M9546	
Fisherbrand 60mL Plastic Syringe	Fisher	14-955-461	
Fisherbrand Sterile Cell Strainer 40um	Fisher	22-363-547	
Fisherbrand Petri Dishes with Clear Lid, Stackable, 100 mm x 25 mm, Case of 325	Fisher	FB0875711	
Magnesium chloride hexahydrate	Sigma	M2670	
Millex Syringe-driven Filter Unit Sterile 33mm PES .22um	Fisher	SLGPR33RS	
Millex Syringe-driven Filter Unit Sterile 33mm PVDF.45um	Fisher	SLHAR33SS	
MilliporeSigma Steriflip Sterile Disposable Vacuum Filter Units 50mL PES	Fisher	SCGP00525	
Poly(ethylene glycol) 4000	Sigma	81240	
Redi-Earth Plug & Seedling Mix	Wyatt Quarles	GP92747	
Regular Duty Single Edge Razor Blades steel back .009RD	Fisher	12-640	
Research Products International Corp Cellulase RS	Fisher	50-213-232	
Research Products International Corp Macerozyme R-10	Fisher	50-213-444	
Sodium chloride	Sigma	S7653	
Tray Insert - 36 Cell - 6x6 Nested	Hummert	11635000	
Tween-20	Sigma	P1379	
VACUUBRAND ME1 Vacuum Pump, 100-120V, 50/60 Hz, US plug	VWR	97058-164	