

Materials List for:

Fluorescence Activated Cell Sorting of Plant Protoplasts

Bastiaan O. R. Bargmann¹, Kenneth D. Birnbaum¹

¹Center for Genomics and Systems Biology, Department of Biology, New York University

Correspondence to: Kenneth D. Birnbaum at ken.birnbaum@nyu.edu

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Materials

Name	Company	Catalog Number	Comments
250 µm nylon mesh	Sefar Filtration	NITEX 03-250/50	
100 µm nylon mesh	Sefar Filtration	NITEX 03-100/47	
Square petri dishes	Fisher Scientific	08-757-10k	
Phytatrays	Sigma-Aldrich	P1552	
Murashige and Skoog Basal Medium (MS)	Sigma-Aldrich	M5519	
sucrose	Fisher Scientific	S5-3	
MES	Sigma-Aldrich	M2933	
KOH	Sigma-Aldrich	P1767	10 M stock
Eclipse 90i microscope	Nikon Instruments		
Cellulase R-10	Yakult Pharmaceutical		
Macerozyme R-10	Yakult Pharmaceutical		
D-mannitol	Sigma-Aldrich	M9546	
KCl	Sigma-Aldrich	P8041	1 M stock
BSA	Sigma-Aldrich	A3912	
β-mercapt-ethanol	Calbiochem	444203	
CaCl ₂	Sigma-Aldrich	C2536	1 M stock
orbital shaker	Labline Instruments		
40 µm cell strainer	BD Biosciences	352340	
conical 15 ml tubes	BD Biosciences	352196	
table centrifuge	Sorvall, Thermo Scientific	Legend RT	
NaCl	Sigma-Aldrich	S3014	
FACSAria	BD Biosciences		
1.5 ml microfuge tubes	VWR international	20170-38	
RNeasy micro kit	Qiagen	74004	
WT-Ovation Pico RNA Amplification System	NuGEN	3300_12	
FL-Ovation cDNA Biotin Module V2	NuGEN	4200_12	