

Materials List for:

# Rapid Analysis of Circadian Phenotypes in Arabidopsis Protoplasts Transfected with a Luminescent Clock Reporter

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URL: <https://www.jove.com/video/54586>

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## Materials

Name	Company	Catalog Number	Comments
CELLULYSIN Cellulase, <i>Trichoderma viride</i>	Merck Millipore	219466	
Pectinase R10	Sigma Aldrich	P2401	
D-mannitol	Sigma Aldrich	M4125	
CaCl <sub>2</sub>	Sigma Aldrich	C4901	
KCl	Sigma Aldrich	P3911	
Bovine Serum Albumin	Sigma Aldrich	A4503	
MES	Acros Organics	327765000	
NaCl	Acros Organics	327300010	
Glucose	Fischer Scientific	G/0500/60	
MgCl <sub>2</sub>	Sigma Aldrich	M2670	
Polyethylene glycol (PEG) 4000	Acros Organics	434630010	
Fetal Bovine Serum	Sigma Aldrich	F4135	
D-Luciferin, Firefly	Biosynth AG	L-8200	Dissolve luciferin powder in 0.1 M trisphosphate buffer pH 8.0 to a concentration of 50 mM
Ampicillin	Sigma Aldrich	A9618	
Comply Steam Indicator Tape	3M	1222	
Magic Tape	3M	819-1460	
Petri Dishes	Scientific Laboratory Supplies	SLS2002	
Microplate, 96 well, flat bottom, white	Greiner Bio-One	655075	
TopSeal-A, adhesive lids for 96-well plates	Perkin Elmer	6050195	
Syringe, 10 ml, w/o needle	BD Plastipak	302188	
Syringe filter 0.22 µm	Merck Millipore	SLGP033RS	
Biological Rhythms Analysis Software System (BRASS)			Free download at <a href="http://amillar.org">amillar.org</a>
QIAfilter Maxiprep Kit	Qiagen	12262	
Modified Fuch-Rosenthal counting chamber, double cell	Hawksley	AC6000	
Bright field microscope	Optika Microscopes	B-150POL-B	
LB942 TriStar <sup>2</sup> multimode reader, with luminescence module	Berthold Technologies Ltd	57947/57948	