

Materials List for:

Efficient Agroinfiltration of Plants for High-level Transient Expression of Recombinant Proteins

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URL: <https://www.jove.com/video/50521>

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Materials

Name	Company	Catalog Number	Comments
Reagents			
GFP	Invitrogen	V353-20	www.invitrogen.com See reference: Lico and Chen, et al 2008
DsRed	Clontech	632152	www.clontech.com See reference: Baird and Zacharias, et al 2000
MagniCON Vector	Icon Genetics	n/a	www.icongenetics.com See reference: giritch and Marillonnet, et al 2006
Geminiviral Vector	Author's Lab	n/a	See reference: Chen and He, et al 2011
<i>N. benthamiana</i>	Author's Lab	n/a	herbalistics.com.au
<i>Agrobacterium tumefaciens</i> strain gv3101	Author's Lab	n/a	See reference: Lai and Chen 2012
LB Agar Carbenicillin-100, plates	Sigma	L0418	www.sigmaaldrich.com
LB Agar Kanamycin-50, plates	Sigma	L0543	www.sigmaaldrich.com
Magnesium sulfate hepa hydrate	Sigma	M2773-500 g	www.sigmaaldrich.com
Bacto-Tryptone	Fisher	73049-73-7	www.fishersci.com
Bacto Yeast Extract	Becton, Dickinson CO.	REF 212750	www.bd.com
Difco Nutrient Broth	Becton, Dickinson CO.	REF 234000	www.bd.com
MES hydrate Buffer	Sigma	M8250-1kg	www.sigmaaldrich.com
Carbenicillin	Sigma	C1613-1ML	www.sigmaaldrich.com
Kanamycin	Sigma	70560-51-9	www.sigmaaldrich.com
Sodium Hydroxide	Sigma	221465	www.sigmaaldrich.com
Jack's Fertilizer	Hummert International	Jul-25	www.hummert.com
Equipment			
Vacuubrand MD4 Vacuum Pump	Fisher	13-878-113	www.fishersci.com
Vacuum Air Regulator Valve	Fisher	NC9386590	www.fishersci.com
Desiccator 12 1/8" with O ring	Fisher	08-594-15C	www.fishersci.com
3 L Tub	Rubber-Maid	n/a	Rubbermaid Servn' Saver Bowl, 10-cup will work
plate/shelf 230ML	Fisher	NC9489269	www.fishersci.com
Peat Pellet	Hummert International	14-2370-1	www.hummert.com
Propagation Tray Dome	hydrofarm	132052	www.hydroponics.net
Propagaiton Tray	hydrofarm	138758	www.hydroponics.net
Virbo Hand Seeder	Gro-Mor INC	n/a	www.gro-morent.com

Flora Cart 4 shelf	Hummert International	65-6924-1	www.hummert.com
15 ml Round Bottom Culture Tubes	Sigma	CLS430172-500EA	http://www.sigmaaldrich.com
Spectrophotometer	Bio-Rad	170-2525	www.bio-rad.com
Spectrophotometer Cuvettes	Bio-Rad	223-9950	www.bio-rad.com
Microcentrifuge Tubes	USA Scientific	1415-2500	www.usascientific.com
Benchtop Centrifuge	Bio-Rad	166-0602EDU	www.bio-rad.com
Incubator/Shaker	Eppendorf	Excella E25	www.eppendorf.com
Ultraviolet Light Model#: UVGL-25	UVP	95-0021-12	www.uvp.com