

Direct Infusion Device for Molecule Delivery in Plants

Brian H. Rhodes¹, Richard R. Stange¹, Patrick Zagorski², Matthew G. Hentz¹, Randall P. Niedz¹, Robert G. Shatters¹, Marco Pitino²

¹United States Department of Agriculture Agricultural Research Service U.S. Horticultural Research Laboratory ²Agrosource Incorporated

Corresponding Author

Marco Pitino

marco.pitino@usda.gov

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jove.com/video/65194

Materials

Name	Company	Catalog Number	Comments
0.5 cm Diameter Steel Balls	Ballistic Products Inc.	#SHT #T	
10 mL Luer-Lok Syringe	Becton Dickinson	382903029952	
20 G 1 Syringe Needle	Becton Dickinson	305175	
2 mL Screw Cap Tubes	USA Scientific	1420-9710	
3/32nd Inch Black Oxide Drill Bit	Sears	964077	
3D Printer	Markforged	F-PR-2027	
3D Printing Software	Markforged	F-SW-FDVX	
3D Printing Software	Markforged	S-FW-OEVX	
5(6)-CFDA (5-(and-6)-Carboxyfluorescein Diacetate)	Invitrogen	C195	
5/64th Inch Black Oxide Drill Bit	Sears	964502	
96 Well qPCR Machine	Roche	5815916001	
Centrifuge	Eppendorf	22621408	
Fluorescent Microscope	Olympus	SP-BX43-BI	
Fluorescent Microscope Filter	Chroma	69401-ET	
Gloss Clear Spray Paint	Rustoleum	249117	
Grey Lego Baseplate	Lego	11024	
Handheld Cordless Drill	Makita	6349D	
Homogenizer	Fisher Scientific	15-340-163	
Imidacloprid 2F	Quali-Pro	83080133	
Liquid Plastisol Medium Hardness	Fusion X Fishing Lures	XSOL-505	
Red Silicone 70 Shore A O-Ring	Grainger	Varies by Size	
Non-Stick Cooking Spray	PAM	64144030217	
NucleoSpin Plant II	Macherey-Nagel	740770.5	
Parafilm	Bemis	HS234526A	
Poly Viyl Acetate Based Glue	Elmers	E301	
qPCR Master Mix	Promega	A6001	
qPCR Primers	Integrated DNA Technologies	Varies by DNA sequence	
Reverse Transcriptase	Promega	A5003	

Single Edge Razor Blade	Garvey	40475	
Translucent Silicone RTV Rubber	Aero Marine Products	AM 115T	
Transparent Silicone Tape	Maxwell	KE30S	
Truncated Oncocin 112	Genscript	Varies by peptide sequence	
White 1 x 6 Lego Piece	Lego	300901	
White Nylon	Markforged	F-MF-0003	