

Materials List for

# A Simple Protocol for Mapping the Plant Root System Architecture Traits

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jove.com/video/64876

## Materials

Name	Company	Catalog Number	Comments
Arabidopsis thaliana (Col 0)	Lehle Seeds	WT-02	Columbia (Col-0**, no markers)*
Art brushes	Amazon or any other vendor		Water color round brush size no. 14 (8 mm), 16 (9.5 mm), 18 (12 mm), and 20 (14.2 mm)
Automated Microscope with digital camera	Leica Microsystems		LAS version 4.12.0, Leica Microsystems
Imaging Software	ImageJ		ImageJ V 1.8.0
Magenta box GA-7	Fisher Scientific	50-255-176	
Medicago sativa	Johnny's Seeds		
Petri-plate (150 mm x 15 mm)	USA Scientific	8609-0215	150 mm x 15 mm PS Petri Dish ( <a href="https://www.usascientific.com">https://www.usascientific.com</a> )
Photo camera	Cannon or Nikon		Any high mega pixel (atleast 12 mega pixel per inch) camera on macro mode
Plant-Agar	Sigma-Aldrich	A3301	Agargel Suitable for plant tissue culture
Polycarbonate Sheets	Amazon		1 mm thick
Polypropylene Mesh	Amazon		Pore size 250 µm, 500 µm and 1000 µm
Scanner	Epson		Epson Perfection V700 Photo (Scan at 600 dpi)