

Materials List for:

Imaging the Root Hair Morphology of *Arabidopsis* Seedlings in a Two-layer Microfluidic Platform

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Materials

Name	Company	Catalog Number	Comments
Silicon Wafer	WRS Materials	100mm diameter, 500-550um thickness, Prime, 10-20 resistivity, N/Phos<100>	
Quintel Contact Aligner	Neutronix Quintel Corp	NXQ 7500 Mask Aligner	
Fluorescent Microscope	Nikon	Eclipse Ti-U	
laboratory tissue	Kimberly Clark	Kimwipe KIMTECH SCIENCE Brand, 34155	
Negative Photoresist Epoxy	Microchem	SU-8 2000s series	
Photoresist developer	Microchem	Su-8 developer	
trichloro(1H,1H,2H,2H-perfluoro-octyl)silane	Sigma Aldrich		use in chemical hood
Air Plasma Cleaner	Harrick Plasma		
PDMS	Dow Corning	Sylgard 184 Silicone elastomer base	
PDMS curing agent	Dow Corning	Sylgard 184 Silicone elastomer curing agent	
Dessicator	Bel-Art	F42010-000	
Scalpel	X-acto knife		
Biopsy Punch	Ted Pella	15110-15	
Adhesive tape	Staples	Invisible Tape	
Microfuge tube	Eppendorf		
Triton X	J.T.Baker XI98-07		
Bleach	Chlorox	concentrated	
Plant-Based Media	Phyto Technology Laboratories	M524	
Agar	Teknova	A7777	
Wax film	Parafilm		
microscope	Olympus	IX51	
Atomic Force Microscope	Keysight Technologies	5500 PicoPlus AFM	
Petri dish	VWR		
Scanning Electron Microscope	JEOL	7400	
Dual Gun Electron Beam Evaporator	Thermionics	Custom Dual Electron Gun Evaporation System	