

Materials List for:

Microfluidic Devices for Characterizing Pore-scale Event Processes in Porous Media for Oil Recovery Applications

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URL: <https://www.jove.com/video/56592>

DOI: [doi:10.3791/56592](https://doi.org/10.3791/56592)

Materials

Name	Company	Catalog Number	Comments
3 mL Leur-Lok Syringe	Fischer Scientific	14-823-435	
10 mL Glass Syringe	Fischer Scientific	1482698G	
Photomask	CAD/Art Services		
Silicon Wafer	University Wafer	452	
Propylene-Glycol-Methyl-Ether-Acetate	Sigma Aldrich	484431-4L	
150 mm Glass Petri Dish	Carolina Biological Supply	#721134	
60 mm Plastic Petri Dish	Carolina Biological Supply	#741246	
Mask Aligner	EV Group	EVG 620	
1 mm Biopsy Punch	Miltex, Plainsboro, NJ	69031-01	
Industrial Dispensing Tip	CML Supply	Gauge 23	
Inverted Microscope	Olympus	IX-71	
Plasma System	Harrick Plasma	PDC-32G	Plasma cleaner
Polydimethylsiloxane (PDMS)	Dow Corning, Midland, MI	SYLGARD 184	
Norland Optical Adhesive 81 (NOA81) or (OA)	Norland Products Inc.	8116	Optical adhesive
Quick-Set Epoxy	Fisher Scientific	4001	
Glass Slides	Globe Scientific Inc.	1321	
SU-8 2015 Photoresist	MicroChem	SU-8 2015	Photo resist
Syringe Pump	Harvard Apparatus	Fusion 400	
Glass Capillary Tubing	SGE Analytical Science	1154710C	
High-Speed Camera	Vision Research	V 4.3	
Polyethylene Tubing	Scientific Commodities Inc.	#BB31695-PE/3	