

Materials List for:

Microfluidic Chip Fabrication and Method to Detect Influenza

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Materials

Name	Company	Catalog Number	Comments
1-dodecanol	Sigma-Aldrich, St. Louis, MO	443816-500G	
2,2-Dimethoxy-2-phenylacetophenone	Sigma-Aldrich, St. Louis, MO	196118-50G	
2100 Bioanalyzer	Agilent Technologies, Santa Clara, CA	G2943CA	
2-Propanol	Sigma-Aldrich, St. Louis, MO	19516	
Benzophenone	Sigma-Aldrich, St. Louis, MO	239852-50G	
BSA	Thermo Fisher Scientific, pittsburge, PA	A7979-50ML	
Butyl methacrylate	Sigma-Aldrich, St. Louis, MO	235865-100 ml	
Carrier RNA	Qiagen, Valencia, CA	1017647	
Cyclohexanol	Sigma-Aldrich, St. Louis, MO	105899-1L	
Ethanol	Sigma-Aldrich, St. Louis, MO	E7023	
Ethylene dimethacrylate	Sigma-Aldrich, St. Louis, MO	335861	
Ethylene glycol dimethacrylate	Sigma-Aldrich, St. Louis, MO	335681-100ML	
Glass syringe 250 µl	Hamilton, Reno, NV	81127	
Guanidine thiocyanate	Sigma-Aldrich, St. Louis, MO	50981	
High Sensitivity DNA Kit	Agilent Technologies, Santa Clara, CA	5067-4626	
Hot press	Carver, Wabash, IN	4386	
J-B Weld Epoxies	McMaster-Carr, Elmhurst, IL	7605A11	
Luer-Lok syringes	BD-Medical, Franklin Lakes, NJ	309628	
Magnesium Chloride	Thermo Fisher Scientific, pittsburge, PA	AB-0359	
Methanol	Sigma-Aldrich, St. Louis, MO	494437	
Methyl methacrylate	Sigma-Aldrich, St. Louis, MO	M55909	
Nanoport	Upchurch Scientific	N-333-01	
Nanoport Fitting	Upchurch Scientific	F-120x	
Nuclease free water	Thermo Fisher Scientific, pittsburge, PA	PR-P1193	
OneStep RT-PCR kit	Qiagen, Valencia, CA	210210	
PEG8000	Sigma-Aldrich, St. Louis, MO	41009	
Power supply	VWR, Radnor, PA	300V	
RNAse Away	Sigma-Aldrich, St. Louis, MO	83931-250ML	
RNAsecure	Applied Biosystems, Foster City, CA	AM7005	
Silica microspheres	Polysciences, Warrington, PA	24324-15	

Syringe pump	Harvard Apparatus, Holliston, MA	HA2000P/10	
Thermally Conductive Tape	Mcmaster-Carr, Elmhurst, IL	6838A11	
Thermocouple	Omega Engineering, Stamford, CT	5SRTC-TT-J-40-36	
Thin-film Heaters	Minco, Minneapolis, MN	HK5166R529L12A	
Ultraviolet Crosslinker	UPV, Upland, CA	CL-1000	
Zeonex	Zeon Chemicals, Louisville, KY	690R	