

Materials List for:

The Visual Colorimetric Detection of Multi-nucleotide Polymorphisms on a Pneumatic Droplet Manipulation Platform

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Materials

Name	Company	Catalog Number	Comments
PDMS	Dow Corning	SYLGARD 184	
benchtop engravers	Roland DG	EGX-400	
laser cutting machine	Universal Laser Systems, Inc.	VLS 3.50	
Oxygen plasma treatment system	Femto Science Inc. Korea	CUTE-MPR	
solenoid valve			home built
vacuum pump	ULVAC KIKO, Inc.	DA-30D	
13-nm AuNP solution	TAN Bead Inc., Taiwan	NG-13	
DNA (with 5'-end labeled thiol)	MDBio, Inc., Taiwan		
phosphate buffered saline (PBS)	UniRegion Bio-Tech., Taiwan	PBS001-1L	
sodium dodecyl sulfate (SDS)	J. T. baker	4095-04	
Hydroxylamine solution (NH ₂ OH)	Sigma-Aldrich	467804	
Chloroauric acid (HAuCl ₄)	Sigma-Aldrich	G4022	
sodium chloride (NaCl)			
vortex mixer	Digisystem Laboratory Instruments Inc.	VM-2000	
centrifuge	Hermle Labortechnik GmbH.	Z 216 MK	