

Materials List for:

Multiplexed Isothermal Amplification Based Diagnostic Platform to Detect Zika, Chikungunya, and Dengue 1

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Materials

Name	Company	Catalog Number	Comments
SafeBlue Illuminator/ Electrophoresis System, MBE-150-PLUS	Major Science	MBE-150	Gel electrophoresis
G:BOX F3	Syngene	G:BOX F3	Gel imaging
LightCycler 480 Instrument II, 96-well	Roche Applied Science	05 015 278 001	Real-time PCR
Amicon Ultra-0.5 Centrifugal Filter Unit with Ultracel-10 membrane	Millipore Sigma	UFC501096	ultrafiltration membrane for dialysis
Eppendorf 5417C Centrifuge	Marshall Scientific	EP-5417C	centrifuge
Myblock Mini Drybath	Benchmark Scientific	BSH200	drybath
FreeZone Plus 6 Liter Cascade Console Freeze Dry System	Labconco	7934020	lyophilizer
all primers and probes	IDT	custom	RT-LAMP primers and probes
dNTP set	Bioline	BIO-39049	
Deoxyuridine Triphosphate (dUTP)	Promega	U1191	
Bst 2.0 WarmStart DNA Polymerase	New England Biolabs	M0538L	enzyme
WarmStart RTx Reverse Transcriptase	New England Biolabs	M0380L	enzyme
RNase Inhibitor, Murine	New England Biolabs	M0314L	enzyme
Antarctic Thermolabile UDG	New England Biolabs	M0372L	enzyme
50bp DNA Step Ladder	Promega	G4521	marker
LightCycler 480 Multiwell Plate 96, white	Roche Applied Science	4729692001	real-time RT-LAMP analysis