

Materials List for:

Measuring Dengue Virus RNA in the Culture Supernatant of Infected Cells by Real-time Quantitative Polymerase Chain Reaction

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Materials

Name	Company	Catalog Number	Comments
PrimeSTAR Max DNA Polymerase	Takara Bio. Inc	R045A	Comparable PCR reagent kit can be used.
SimpliAmp Thermal Cycler	Thermo Fisher Scientific	A24811	Comparable thermal cycler instrument, but PCR cycle condition needs to be optimized.
6x Gel Loading Dye	New England BioLabs	B7024S	Comparable gel loading dye can be used.
2-Log DNA Ladder	New England BioLabs	N3200	0.1-10.0 kilobase pairs. Comparable DNA molecular ladder can be used.
Gel Scene Tablet	Astec	GST-33	Comparable gel imaging system can be used.
illustra GFX PCR Purification Kit	GE Healthcare Life Sciences	28-9034-70	Comparable gel extraction kit can be used.
BioSpectrometer	Eppendorf	6135000905	Comparable spectrophotometer can be used.
MEGAscrip T7 Transcription Kit	Thermo Fisher Scientific	AM1334	
TURBO DNase	Thermo Fisher Scientific	AM2238	Included in MEGAscrip T7 Transcription Kit.
Recombinant RNase Inhibitor	Takara Bio. Inc	2313A	40 units/μL
RNeasy Mini Kit	Qiagen	74104	Comparable RNA purification kit can be used.
CellAmp Direct RNA Prep Kit	Takara Bio. Inc	3733Q	
Proteinase K	Nacalai Tesque	15679-06	>600 units/mL. Comparable reagent can be used.
iTaq Universal Probes One-Step Kit	Bio-Rad	1725141	
MicroAmp Fast Optical 96-Well Reaction Plate, 0.1 mL	Thermo Fisher Scientific	4346907	Comparable plate or tube can be used dependent on the real-time PCR instrument, but PCR cycle condition needs to be optimized.
MicroAmp Optical Adhesive Film	Thermo Fisher Scientific	4311971	Comparable film or optical cap can be used dependent on the real-time PCR plate or tube.
StepOnePlus Real-Time PCR System	Thermo Fisher Scientific	StepOnePlus-01	Comparable real-time PCR instrument, but PCR cycle condition needs to be optimized.