

Materials List for

Detecting SARS-CoV-2 Virus by Reverse Transcription-Loop-mediated Isothermal Amplification

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jove.com/video/65662

Materials

Name	Company	Catalog Number	Comments
1 kb DNA Ladder	SOLIS BIODYNE	07-12-00050	Store at -20 °C
50x TAE Electrophoresis Buffer	ThermoScientific	B49	Store at room temperature
Accuris High Fidelity Polymerase	ACCURIS LIFE SCIENCE REAGENTS	PR1000-HF-200	It can be used in case Q5 High-Fidelity DNA polymerase cannot be purchased. For the enzyme, make aliquots of an appropriate volume and store at -20 °C until use.
Agarose	PanReacAppliChem	A8963,0100	N/A
Bst 3.0 DNA Polymerase 8000 IU/mL	New England BioLabs	M0374S/M0374L	For the enzyme, make aliquots of an appropriate volume and store at -20 °C until use.
Deoxynucleotide (dNTP) Solution Set	New England BioLabs	N0446S	Store at -20 °C
Diethyl pyrocarbonate	Sigma-Aldrich	159220-25G	Handle it with caution under an extraction cabinet
GeneRuler 100 bp Plus DNA Ladder, ready-to-use	ThermoScientific	SM0322	Store at -20 °C
Hydroxy naphthol blue disodium salt	Santa Cruz Biotechnology	sc-215156B	N/A
Q5 High-Fidelity DNA polymerase 2000 IU/mL	New England BioLabs	M0491S/M0491L	For the enzyme, make aliquots of an appropriate volume and store at -20 °C until use.
WarmStart RTx Reverse Transcriptase 15000 IU/mL	New England BioLabs	M0380S/M0380L	For the enzyme, make aliquots of an appropriate volume and store at -20 °C until use.