Dec 02, 2021

Primer TE (10mM Tris, 0.1mM EDTA, pH8.0)

Jacquelina.Woods [1]

[1]FDA

1

dx.doi.org/10.17504/protocols.io.byccpssw

GenomeTrakr
Tech. support email: **genomeTrakr@fda.hhs.gov**

Jessica Jones
US Food and Drug Administration

This method was developed at the FDA's Center for Food Safety and Applied Nutrition for GenomeTrakr's pandemic response project, monitoring SARS-CoV-2 variants in wastewater. Protocols developed for this project cover wastewater collection, concentration, RNA extraction, RT-qPCR detection, library prep, genome sequencing, quality control checks, and data submission to NCBI. This method provides a reagent formula required in the extraction of RNA from viral concentrates using the RNeasy and Zymo kits.

DOI

dx.doi.org/10.17504/protocols.io.byccpssw

Jacquelina.Woods 2021. Primer TE (10mM Tris, 0.1mM EDTA, pH8.0). **protocols.io** https://dx.doi.org/10.17504/protocols.io.byccpssw

protocol ,

Sep 17, 2021

Dec 02, 2021

53348

In steps of

RNA Extraction from Wastewater Concentrates Using RNeasy and Zymo Kits
RNA Extraction from Wastewater Concentrates Using RNeasy and Zymo Kits
Reagent Mixes for RT-qPCR Detection of SARS-CoV-2 from Wastewater

Tris (1 M) pH 8.0 RNase-free **Thermo Fisher Scientific Catalog #AM9856** Step 1.1

EDTA (0.5 M) pH 8.0 RNase-free **Thermo Fisher Scientific Catalog #AM9261** Step 1.2

Nuclease-Free Water **Thermo Fisher Scientific Catalog #AM9937** Step 1.3

1 Mix components together.

1.1 **100 µL**

Tris (1 M) pH 8.0 RNase-free **Thermo Fisher Scientific Catalog #AM9856**

, or equivalent.

1.2 **20 µL**

EDTA (0.5 M) pH 8.0 RNase-free **Thermo Fisher Scientific Catalog #AM9261**

, or equivalent.

1.3 **9.88 mL**

Nuclease-Free Water **Thermo Fisher Scientific Catalog #AM9937** , or equivalent.

2 Store at **Room temperature** .

Citation: Jacquelina.Woods Primer TE (10mM Tris, 0.1mM EDTA, pH8.0) https://dx.doi.org/10.17504/protocols.io.byccpssw