

Dec 02, 2021

SN HCI

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

GenomeTrakr

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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 rapid concentration of intact viruses from wastewater using a combination of PEG precipitation and ultracentrifugation.

DOI

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

Jacquelina. Woods 2021. 5N HCl. **protocols.io** https://dx.doi.org/10.17504/protocols.io.byfsptne

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Sep 21, 2021

Dec 02, 2021

Sep 21, 2021 Ruth Timme US Food and Drug Administration

Sep 23, 2021 Jessica Jones US Food and Drug Administration

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In steps of

Virus Concentration from Wastewater Using PEG Precipitation and Ultracentrifugation



Citation: Jacquelina.Woods 5N HCl https://dx.doi.org/10.17504/protocols.io.byfsptne

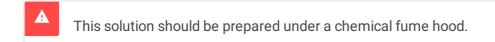
X Hydrochloric Acid (HCI) Fisher

Scientific Catalog #6000710 Step 2

Deionized or ultrapure water

Sterile container (e.g., 50 ml conical tube, Fisher Scientific Cat # 14-432-22, or equivalent)

- 1 Measure 14.6 mL of deionized or ultrapure water into sterile container.
- 2 Slowly add 10.4 mL Scientific Catalog #6000710 or equivalent to the water.



3 Store at & Room temperature.