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0.05 M Glycine

Jacquelina.Woods [1]

[1]FDA

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

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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

Glycine **Sigma**

Aldrich Catalog #G7126 Step 1

Deionized or ultrapure water

1 Glycine **Sigma**

Mix **3.75 g** **Aldrich Catalog #G7126** in deionized or ultrapure water to **1 L**

2 Adjust pH **9.5**

3 Autoclave **121 °C** **00:15:00** 15m

4 Store at **2-8 °C**

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