



Dec 02, 2021

## 6M GITC

Jacquelina.Woods<sup>1</sup><sup>1</sup>FDA

1

[dx.doi.org/10.17504/protocols.io.bybbpsin](https://dx.doi.org/10.17504/protocols.io.bybbpsin)

### GenomeTrakr

Tech. support email: [genomeTrakr@fda.hhs.gov](mailto: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.bybbpsin](https://dx.doi.org/10.17504/protocols.io.bybbpsin)

Jacqueline.Woods 2021. 6M GITC. **protocols.io**  
<https://dx.doi.org/10.17504/protocols.io.bybbpsin>



protocol ,

Sep 16, 2021

Dec 02, 2021






53315

In steps of

[RNA Extraction from Wastewater Concentrates Using RNeasy and Zymo Kits](#)[RNA Extraction from Wastewater Concentrates Using RNeasy and Zymo Kits](#)

 **Guanidine Isothiocyanate Thermo**

**Fisher Catalog #15535016** Step 1

- 1 Aseptically mix  **7.09 g**  
 **Guanidine Isothiocyanate Thermo**  
**Fisher Catalog #15535016** in sterile distilled or  
ultrapure water to  **4.5 mL**
- 2 Bring total volume up to  **10 mL** with additional sterile distilled or ultrapure water
- 3 Store at  **Room temperature** in the dark (or in light occluding tube)

Solution is only stable for 1 month after preparation.