

Sample Preparation Solutions for Wastewater Analysis

Nucleic acid analysis of sludge and wastewater is important for many applications, including as a tool for COVID-19 surveillance. The sample preparation step is critical for ensuring the overall quality of the DNA or RNA for further downstream processing. Our homogenizers, lysing matrix and extraction kits offer an ideal solution for wastewater, sludge and fecal processing to obtain pure nucleic acids, ready for downstream analysis.

WASTEWATER APPLICATIONS ▶

- Infectious disease and pathogen surveillance
- Identifying COVID-19 variants
- Metagenomics and analysis of microbial communities
- Antibiotic resistance
- Wastewater irrigation



FastPrep® Instruments

Instruments for lysing and homogenizing wastewater, sludge and fecal samples
Featured Product:
FastPrep-24™ 5G (Cat. No. 116005500)



Lysing Matrix Tubes

Beads of various sizes, shapes and compositions to ensure complete and reproducible homogenization for individual sample types
Featured Products:
Lysing Matrix E (Cat. No. 116914050; 50 x 2 mL)
Lysing Matrix B (Cat. No. 116911050; 50 x 2 mL)



DNA and RNA Extraction Kits

Kits for extracting and purifying DNA or RNA for downstream applications, such as PCR or NGS sequencing.
Featured Products:
FastDNA™ SPIN Kit for Soil (Cat. No. 116560200; 50 x 2 mL)

- Isolate DNA from wastewater and sludge

FastDNA™ SPIN Kit for Feces (Cat. No. 116570200; 50 x 2 mL)

- Isolate DNA from feces

FastRNA™ Pro Blue Kit (Cat. No. 116025050; 50 x 2 mL)

- Isolate SARS-CoV-2 RNA or RNA from bacteria



MP BIOMEDICALS

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Learn more at www.mpbio.com

