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Thermo Fisher brings wastewater isolation kit for SARS-CoV-2 surveillance

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MagMAX Wastewater Ultra Nucleic Acid Isolation Kit with virus enrichment uses Dynabeads technology to automate and streamline sample concentration



Since the emergence of SARS-CoV-2, public health laboratories and researchers have been developing surveillance methods using wastewater to control the spread of COVID-19. The effort has helped identify asymptomatic carriers on college campuses to monitor regional spread among communities and capture emerging mutations ahead of potential future outbreaks. To support these efforts, Thermo Fisher Scientific has introduced the MagMAX Wastewater Ultra Nucleic Acid Isolation Kit.

Unlike other testing methods, which require nasal swabs or saliva samples, wastewater testing can assess infection rates among a general population up to two weeks earlier than individual or pooled testing.

The MagMAX Wastewater Ultra Nucleic Acid Isolation Kit offers a flexible, easy-to-implement solution for labs setting up new surveillance programs or incorporating SARS-CoV-2 testing into existing ones.

Combined with Thermo Fisher's comprehensive portfolio of products to support the entire workflow, such as KingFisher purification systems and QuantStudio qPCR platforms, the kit provides an end-to-end solution for detecting SARS-CoV-2 from wastewater.

The MagMAX Wastewater Ultra Nucleic Acid Isolation Kit is compatible with a range of input volumes ranging from 200 µl to 500 mL, and works with various upfront concentration methods, including ultracentrifugation, precipitation, and filtration.