



One Way to Potentially Track Covid-19? Sewage Surveillance

Researchers at the KWR Water Research Institute in the Netherlands were the first to publicly report they had detected SARS-CoV-2 in wastewater samples. The group started testing in early February in cities across the country, before the Netherlands had identified any Covid-19 cases. As the first cases emerged and then spread in early March, the researchers found the viral concentration in sewer water went up in tandem. Other groups, including researchers at the University of Arizona and an MIT startup called Bio bot, have begun collecting samples from towns and cities across the US, but neither has released data yet.

Avalanche® Multi-bottle, Multi-function Sampler

The Avalanche® Sampler is based on the industry-leading 6712 controller. Avalanche provides the advanced control, data logging, and communication features of the 6712, combined with on-the-go cooling from either AC power or a 12-volt deep cycle battery. Bottle configurations include 5 gallon and 2.5 gallon composite as well as 4 x 1 gallon and 14 x 950 ml sequential.

Like the simpler, composite-only Glacier sampler, Avalanche delivers 48 hours or more of refrigeration from a 12 volt deep cycle battery. Its power-saving cooling system remains on standby until the first sample is drawn, and then switches on to preserve the collected samples until a convenient pickup time. You can easily enter complex programs to suit your unique needs. Available routines include: pause and resume for intermittent discharge flow monitoring; sampler pacing by time, non-uniform time, flow or external event; and random interval sample collection.



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