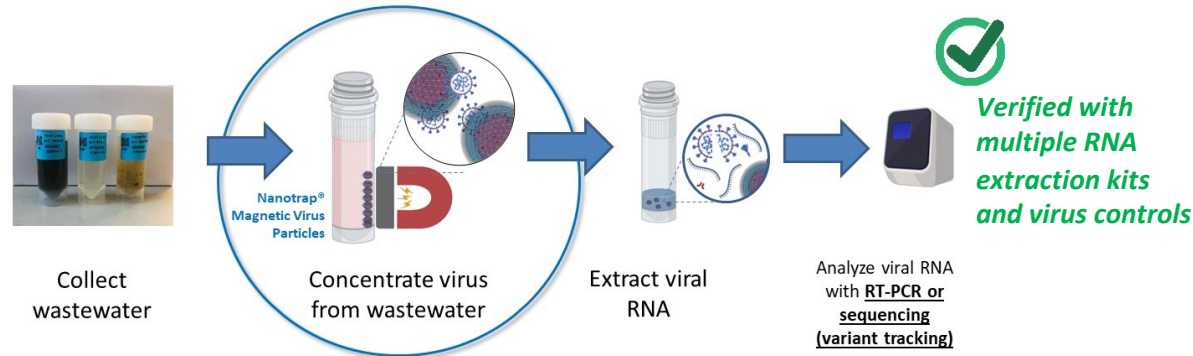


Nanotrap[®] Magnetic Virus Particles for Rapid Capture of SARS-CoV-2

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Nanotrap[®] Magnetic Virus Particles capture and concentrate whole viruses from raw sewage, requiring no filtration or centrifugation.



Showcase: UCSD using Nanotrap[®] particles as part of on-campus wastewater surveillance to process over 9,500 samples from 121 samplers covering 350 buildings.

- This method enables processing of 96 samples (concentration to RT-PCR result) in 4.5 hours, which opened up capacity to expand coverage to San Diego K-12 schools and daycares and to the primary wastewater treatment plant of San Diego County.
- The method enables detection of 1 asymptomatic individual in a building of 415 residents.
- Samples can be sent for sequencing directly from this protocol.
- To date, nearly 85% (n=50) of the individual clinical cases on the UCSD campus have been preceded by positive wastewater samples. Of the missed individual cases, 7% (n=4) were missed because no wastewater sample was obtained the day of or the day prior to diagnostic detection.

Publication: <https://journals.asm.org/doi/full/10.1128/mSystems.00045-21>

Webinar: <https://www.labroots.com/ms/webinar/implementation-high-throughput-wastewater-sars-cov-2-detection-method-providing-actionable-data-coun>

High-throughput and medium-throughput methods in place in multiple locations

A California University Tries to Shield an Entire City From Coronavirus

The University of California, Davis, is providing free testing, masks and quarantine housing to tens of thousands of people who live nearby.

UC San Diego Announces Major Expansion Of COVID-19 Testing

UC San Diego is boosting its coronavirus testing efforts, number of samples taken for wastewater early detection

City News Service, News Partner
Posted Wed, Dec 2, 2020 at 9:25 am PT

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\$8.2M NIH Contract in April 2021

With Emory, develop a wastewater COVID-19 surveillance framework in the metro-Atlanta area that is driven by public health authorities at the city, county and state level

Deploy high-throughput method to 15 Centers of Excellence.

To learn more, visit our poster on Tuesday, June 15 3PM-4PM ET
meet.google.com/jpm-kcxc-bcx

Or contact rbarbero@ceresnano.com
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