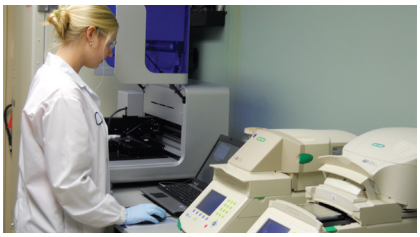
Geosyntec consultants

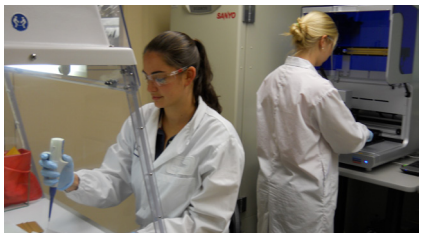
SARS-CoV-2 Virus Detection Services

Geosyntec Employs the Gold Standard Detection Method

Geosyntec understands the concerns that our commercial, industrial, and institutional clients have regarding risks to employees and/or customers from contact with the infectious SARS-CoV-2 virus particles that cause COVID-19 disease.

To support our clients' efforts to provide safe working environments, re-entry, and continuation of operations, Geosyntec's molecular diagnostic laboratory (SiREM) provides accurate and reliable SARS-CoV-2 virus detection services.





How We Can Help

Geosyntec employs Reverse Transcriptase-Quantitative Polymerase Chain Reaction (RT-qPCR), the gold standard method for detecting SARS-CoV-2. Our analysis reduces the potential for false negatives by detecting unique SARS-CoV-2 genes on the viral RNA. Positive and negative controls ensure each analysis is running correctly and will yield a positive result if viral RNA is present. Geosyntec's approach is:

- **Highly sensitive** - can detect just a few virus particles
- **Safe to perform** - the sampling process inactivates (kills) the virus to stabilize the RNA
- **Reliable** - clinical methodology has been adapted for environmental testing using widely accepted technology
- **Sustainable** - does not require critically-needed testing materials from the healthcare supply chain

Our Business is Helping Yours

- Protecting you, your business, your staff, your customers
- Creating confidence that your facilities are safe from SARS-CoV-2
- Keeping your business operational to manage business liabilities
- Providing ongoing monitoring to check for recurrance of SARS-CoV-2

SARS-CoV-2 Virus Detection Services

Geosyntec's approach for disinfection programs includes wipe sampling and testing to identify whether the surfaces in our client's facilities test positive or negative for the virus. This approach is tailored to each facility and provides owners or operators with the information necessary to make informed decisions regarding next steps to best manage their concerns associated with COVID-19.

Laboratory Testing

- Geosyntec's genetics testing lab, SiREM, developed testing specific for SARS-CoV-2 verification.
- SiREM analyzes samples by RT-qPCR, the same analysis that many public health departments and clinical labs use for medical applications.
- Various positive and negative control samples are shipped with the samples and tested alongside the facility wipe samples to confirm the reliability of the results.

Reporting

- Geosyntec will prepare an analytical report and an interpretative letter documenting the results of the testing.
- If the results are negative, the report will state that the testing revealed no detections of the virus.
- Geosyntec understands the need for confidentiality associated with the testing program and the analytical data.

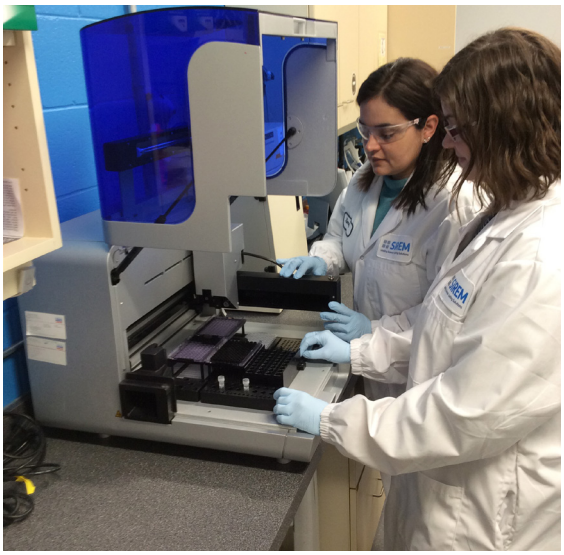
Our Fully Integrated Approach

- Can serve as owner's representative and/or provide turnkey services
- Single projects or portfolios

Site Support Services

- Site-specific sampling strategies to increase probability of detection with fewer samples
- Disinfection SOP verification with blind testing and audits for compliance
- Sampling kits and SARS-CoV-2 testing
- Site sampling teams

With an ability to provide a fully integrated approach to meet client needs, Geosyntec can also step in at any time during your COVID-19 response. We are experienced in pathogen testing, having worked on other bacterial and viral targets. These services will be provided from our Knoxville, Tennessee office.



For more information, contact

Duane Graves
(865) 330-0037
dgraves@geosyntec.com

Phil Dennis
(519) 515-0836
pdennis@siremlab.com

About Geosyntec

With over 1,500 employees in 80+ locations in the US, Canada, UK, Ireland, and Australia, Geosyntec provides the engineering and science needed to respond to this pandemic.

For additional COVID-19-related services, visit
geosyntec.com/COVID-19

Geosyntec consultants

engineers | scientists | innovators

SiREM
Leading Science · Lasting Solutions