Rapid, On-Site COVID-19 Wastewater Testing

A game-changer for early detection

Wastewater testing is an important tool in the fight against COVID-19, allowing for rapid, non-invasive insights into the health of large or targeted populations including municipalities, care homes and dormitories. Influent wastewater monitoring for signs of COVID-19 infections has been shown to be a powerful early warning tool for identifying asymptomatic carriers.

LuminUltra's new COVID-19 wastewater test is a true game-changer, making the process of testing wastewater faster and easier, eliminating the need for additional specialized equipment and expertise.

A complete solution from sample to result

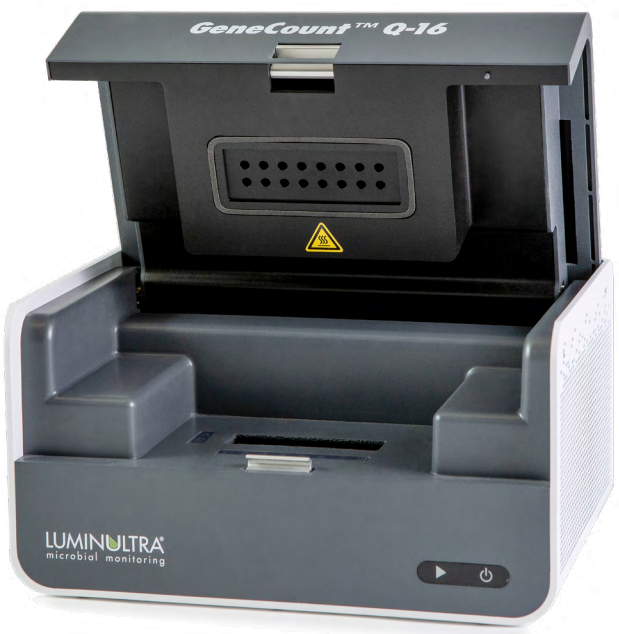
Includes everything needed to test wastewater, including isolation reagents, assay and GeneCount® qPCR device.

Fast, actionable results

Patent-pending innovation has simplified the process to provide results in hours - rather than days or weeks.

Flexible testing where you need it

- GeneCount® devices are compact and portable; testing can be done on site without a lab
- Run additional COVID-19 testing with the GeneCount® device including surface, air, and clinical diagnostic tests for a complete testing protocol
- Ask for a complete list of industrial assays targeting additional microbes for system monitoring



LUMINULTRA.COM
SALES@LUMINULTRA.COM

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HOW IT WORKS

Collect sample

Combine sample and lysis buffer and magnetic beads

Precipitate magnetic beads by applying magnet

Extracted viral RNA is now concentrated on the magnetic beads.

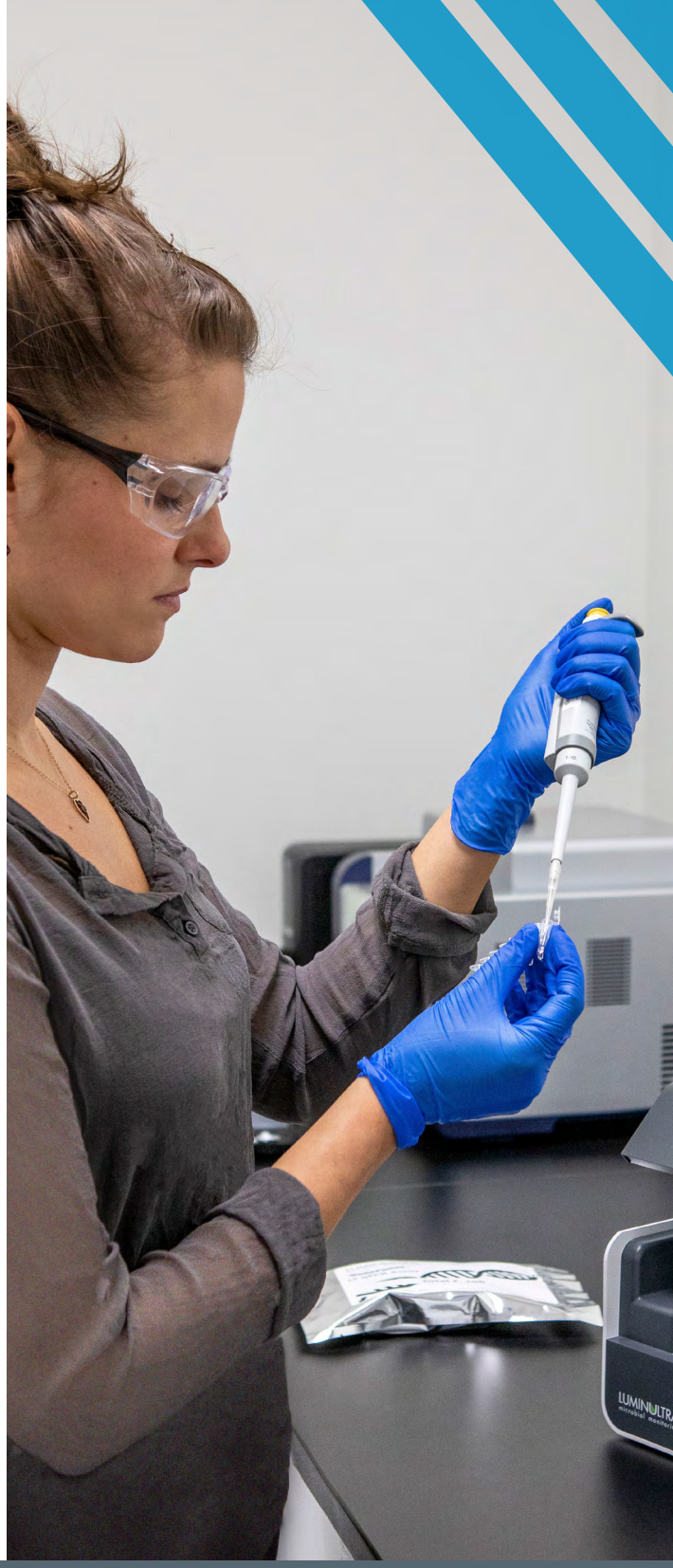
Perform wash steps and add elution buffer to elute RNA for analysis

Mix purified RNA with reagents and measure SARS-CoV-2 in the GeneCount qPCR device

Quantitative results reported as gene copies/mL

Components

- GeneCount® qPCR equipment set
- Patent-pending combined viral concentration and RNA extraction kits
- Targeted qPCR reagent and assay panel
- Consumables



LuminUltra has been developing innovative wastewater testing solutions for 25 years. Since March of 2020, the company has been a key supplier of COVID-19 clinical testing reagents to the Government of Canada. Customers in over 80 countries rely on LuminUltra's technology, production reliability and history of customer service excellence to deliver their essential services.

520 King Street
Fredericton, NB
Canada. E3B 6G3

T +1-506-459-8777
luminultra.com
sales@luminultra.com

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