



Self-contained mobile medical laboratories

Expanding access to testing

Widespread diagnostic testing for COVID-19 is a proven method to reduce the spread of the virus in our communities. While there may be several testing sites in a region, many are unable to process samples on-site, which can lead to delays. Some regions have fewer resources than others, lacking the testing capacity and equipment to fully meet their community's needs.

Improving access to fast, accurate, reliable COVID-19 testing

LuminUltra's self-contained mobile medical laboratories offer governments and businesses the tools they need to deliver a high volume of accurate COVID-19 test results in approximately two hours. This game-changing innovation provides access to fast and reliable testing where it's needed most.

The solution

LuminUltra's self-contained mobile medical laboratories are:

- Equipped with the gold-standard qPCR technology and all the supplemental equipment, reagents, and consumables necessary to conduct a test end-to-end make it a complete COVID-19 clinical solution.
- Able to run 500+ tests simultaneously with high-capacity qPCR and auto extraction devices providing reliable results in approximately 2 hours.
- Designed to ensure accuracy and sensitivity while maximizing ease-of-use in execution and interpretation of data.

The self-contained mobile medical laboratories include the following LuminUltra GeneCount® devices:

GeneCount® Q-96 qPCR device:

- Built to last: Uses maintenance-free long- life LED excitation light source
- Precise, sensitive, accurate: Precise optical path system and ultra-sensitive PMT system provide the most accurate and sensitive fluorescent detection
- User-friendly: Easy-to-use interface featuring large touch screen

GeneCount® E-96 auto-purification device:

- Optimized workflow: Automates the most labor-intensive step of the testing protocol, freeing up time and resources
- User friendly interface: Displays all running programs and parameters
- Standardized methodology: Reduce the potential for human error and have confidence that the same RNA is being extracted every time

Specifications

Self-contained mobile medical laboratories are outfitted with the following required lab-grade equipment and features:

- 4 Hoods – for airborne contaminant protection against hazardous particulates, microorganisms, genetic material, and carcinogens
- 2 Advanced HEPA filters – for commercial-grade air purification
- High-performance steam sterilizer – for ordinary sterilization, sterilization of culture mediums and liquids, and melting of culture mediums
- 6 Q-96 devices
- 6 E-96 devices
- 2 Refrigerators – 4.5 sq.ft and 17.5 sq.ft
- On-board storage space
- Washroom and handwash station

The self-contained mobile medical laboratories are completely self-sufficient as a unit:

- Can be operated in all seasons including HVAC system to operate heating/cooling
- Includes cables for shore power and integrated generator for backup power
- 4 heat pump units

About LuminUltra

Founded in 1995, LuminUltra is a biological diagnostic testing company headquartered in Canada with operations in six countries. It is recognized globally as a leader in developing tests and reagents for environmental, industrial, and diagnostic monitoring and is a key supplier of COVID-19 clinical testing reagents to the Government of Canada. Customers in over 80

countries trust LuminUltra's technology, production reliability, and history of customer service excellence. LuminUltra fosters a culture of innovation and agility and is on an accelerated growth path, acquiring multiple companies in recent years and forming a partnership with the specialized private equity firm XPV Water Partners.

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