

LuminUltra's GeneCount[®] in-field qPCR solutions



LuminUltra's GeneCount[®] Q-8 and Q-16 devices deliver high performance quantitative PCR, enabling real-time detection of amplified nucleic acids.

Users will be able to run analysis on their samples, review the results, and make immediate targeted treatment decisions based on that feedback, all in less than 2 hours and while onsite. Because there is no need to get samples back to a lab for testing, samples do not need to be preserved. This is a huge benefit for remote or offshore locations – where shipping samples is costly and not always readily available.

Key Benefits

- Highly flexible system allows for analysis of multiple samples and multiple assays in a single run
- Compact and rugged design. No internal moving parts, and no need for calibration
- Powerful software for data analysis
- Four fluorescent channels provide multiplexing capabilities and support for intercalating dyes, hydrolysis and FRET probes
- Equipped with ultra-low-light sensitive CMOS-based fluorescent imager, delivering high performance and flexible imaging capabilities
- Rapid results in under 2 hours (including purifying DNA)
- Optimized qPCR workflow designed for immediate use out of the box
- Training and ongoing support from LuminUltra's product and applications experts
- Range of available reagent/assay panels available for a variety of targets



LUMINULTRA[®]
microbial monitoring

Key Features

| Parameter | Q-Series Device |
|---------------------------------|--|
| Capacity (# of Wells) | 8 (Q-8) and 16 (Q-16) |
| Fluorescent Channels | 4 |
| Channel 1 | FAM/SYBR |
| Channel 2 | VIC/HEX |
| Channel 3 | ROX |
| Channel 4 | CCY5 |
| Excitation Source | Long-Life LED |
| Tube/Plate Format | 0.2mL 4 or 8-Tube Strip |
| Temperature Uniformity | < ±0.25°C |
| Temperature Control Resolution | ±0.1°C |
| Temperature Ramp Rate (Heating) | 5°C/s |
| Temperature Ramp Rate (Cooling) | 4°C/s |
| Software Compatibility | Windows 10 |
| Connection | USB |
| Power Supply | 110V/240V AC |
| Detection Technology | qPCR |
| Assay Controls | Positive/Negative/Internal |
| Sample Preparation | Yes (Syringe-Based Concentration and DNA Purification) |
| Time to Results | <2 Hours |
| Reference Materials | Available |

***All Q-8 and Q-16 devices are CE and FCC certified*

GeneCount® Assays

LuminUltra has developed target specific assay panels and reagents to aid the detection of specific organisms based on quantitative polymerase chain reaction (qPCR).

The GeneCount® in-field qPCR devices use our state-of-the-art assays that target microbial nucleic acids, ensuring high specificity and maximum coverage. Ask us for a complete list of pre-developed assays.

Hardware Components

- GeneCount® Q-8/Q-16 qPCR device
- Power adapter and power cable
- USB cable
- Protective travel case
- Pipets

Other Components

- Sample purification kits
- Targeted qPCR reagent/assay panels