

LuminUltra's GeneCount® Voyager



Flexible qPCR solutions

LuminUltra's GeneCount® Voyager delivers 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 as little as 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 suitable for portability in the field, and small footprint for lab environments.
- No internal moving parts and no need for calibration
- Powerful Windows-based software for data analysis can be run stand-alone on device touchscreen, or through a PC/laptop connected with WiFi or ethernet connection
- Four fluorescent channels provide multiplex capabilities and support for intercalating dyes, hydrolysis and FRET probes
- Rapid results in as little as 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

Key Benefits

Parameter	GeneCount® Voyager
Capacity (# of Wells)	16
Fluorescent Channels	4
Channel 1	FAM/SYBR
Channel 2	VIC/HEX/TET/JOE/Cy3/TAMRA
Channel 3	ROX
Channel 4	CY5
Excitation Source	Long-Life LED
Tube/Plate Format	0.2mL 8-Tube Strip
Temperature Uniformity	< ±0.25°C
Max Temperature Ramp Rate (Heating)	>/= 5°C
Average Temperature Ramp Rate (Cooling)	>/= 3°C
Software Compatibility	Windows 10
Connection	Ethernet
Power Supply	110V/240V AC
Detection Technology	qPCR
Assay Controls	Positive/Negative/Internal
Time to Results	<2 Hours
Reference Materials	Available

GeneCount® qKit 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® Voyager 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® Voyager qPCR device
- Power adapter and power cable
- Wifi Adapter
- Bluetooth Mouse
- Protective travel case
- Pipets

Other Components

- Sample purification kits
- Targeted qPCR reagent/assay panels

