

# LuminUltra's GeneCount Q-96

LuminUltra's GeneCount Q-96 delivers high performance quantitative PCR, enabling real-time detection of amplified nucleic acids.

The GeneCount Q-96 workflow was developed specifically for laboratories so they can extend this competitive offering to their clients, or bring costly, outsourced qPCR testing, in-house. Samples will be preserved, purified and extracted for rapid analysis using the robust 96-well fluorescent qPCR detection system, all in less than 3 hours.



## Key Benefits

- Easy-to-use interface featuring large touch screen
- Designed to immediately optimize your qPCR workflow
- Advanced thermoelectric technology ensures fast and steady heating and cooling of the ultra-fast heat cycling system
- Uses maintenance-free long-life LED excitation light source
- Precise optical path system and ultra-sensitive PMT system provide the most accurate and sensitive fluorescent detection
- Six 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 less than 3 hours (including purification)
- Range of available reagent/assay panels available for a variety of targets

## Key Benefits

Specification/model	Q-96
Sample capacity	96 x 0.2ml (suitable for single PCR tubes, and 8-strip PCR tubes)
Fluorescent Channels	6
Channel 1	FAM, SYBR Green I
Channel 2	VIC, HEX, TET, JOE, TAMRA, CY3, NED
Channel 3	ROX, Texas-Red
Channel 4	Cy5
Channel 5	Cy5.5
Channel 6	For Customized
Temperature range of block working	4 - 105°C (Minimum Increment: 0.1°C)
Heating/cooling rate	6°C/s
Temperature fluctuation	≤ ± 0.2°C
Temperature accuracy	± 0.15°C
Temperature uniformity	≤±0.2°C
Temperature range of hot lid working	Range: 30 - 110°C
Running mode	Continuous running
Operating system	Windows 10
Power supply	100-240V, 50/60Hz, 600VA
Dimensions	38cm x 40cm x 38cm
Weight	20KG

All our Q-96 devices are CE, RoHS and WEEE Certified

### Ask about our GeneCount Q-96 turn-key package, which includes:

- GeneCount Q-96 device
- Sample preservation kits
- Sample purification kits
- qPCR reagent/assay panels
- Training and ongoing support from LuminUltra's product and applications experts
- Improve handling times and increase throughput with our GeneCount E-32 Auto Purification Instrument