

VIASURE

by CerTest  
BIOTEC

# V-Lab96

Viasure Real Time PCR platform

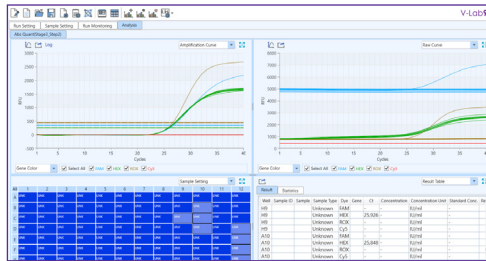
Open platform for *in vitro* diagnostics.  
Allows to analyze 96 samples simultaneously  
for qualitative and quantitative PCR.



## Advanced Real Time PCR System with 96-well block for scaling up research and high sample throughput in diagnostic lab applications

The dedicated **VIASURE V-Lab96 Thermocycler** for *in vitro* diagnostics allows qualitative and quantitative analysis of 96 samples simultaneously.

The combination of a fast and uniform heating, high sensitivity optical system and an easy-to-use software provides a great advantage for users.

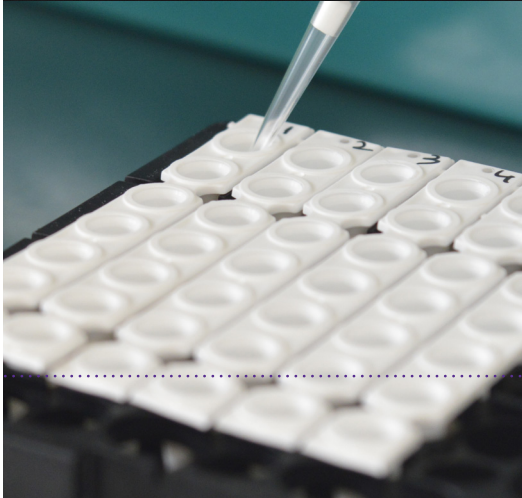
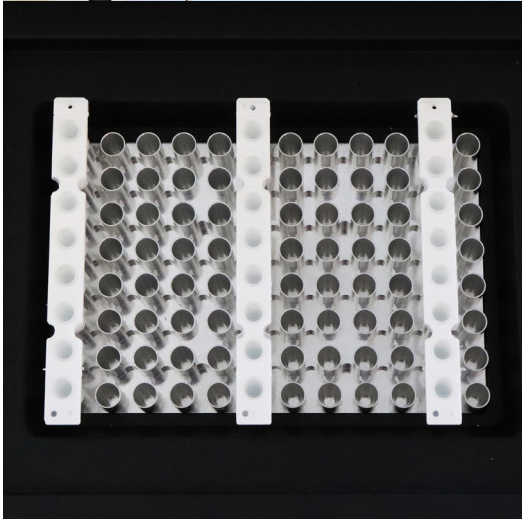


VIASURE V-Lab96 software screen.

- Improved optical system for **high specificity and sensitive** detection.
- **Reduced operating time.**
- **High sample throughput** in diagnostic lab applications.
- **Power-off protection.** Avoid the loss of experimental data and waste of reagents due to abrupt power-off.
- **Analysis performed in a closed test tube** to minimize possible contamination of further experiments.
- **Data registering** and accounting in electronic format for LIS connexion.
- Integrated 10.4" **TouchScreen.**



Flexible use | Fast and uniform heating system | High sensitive optical system | User-friendly software



## Technical features

### Thermal block

96 test wells (8 x 12) PELTIER

0.2-ml test tubes (high profile tubes) for PCR and transparent optical caps (individual, in strips or 8 pieces each)

Range of thermal block temperature control 0.0 - 100.0°C

Resolution of temperature setting 0.1°C

Accuracy of temperature maintenance  $\pm 0.1^\circ\text{C}$

Variability of thermal block temperature, not more than  $\pm 0.1^\circ\text{C}$

Average heating rate of the thermal block 4.5°C/s

Average cooling rate of the thermal block 2.8°C/s

"Hot cover" temperature RT-110°C

### Optical system

Excitation source Light 4 LED's light sources

Detector Photodiodes

Detection wavelength/Dyes: 465/510 (FAM) | 527/563 (HEX) | 580/616 (ROX) | 632/664 (Cy5)

### Performance and software

Dynamic Range 1-10<sup>10</sup> copies

Repeatability Ct CV $\leq$ 0.5

Power consumption 900VA

Computer interface LAN/USB2.0

LIS connection CSV, Excel, TXT format data output open port for LIS connection

Dimensions 475mm(L) x 355mm(W) x 484mm(H)

Weight 30kg



Compatible with all VIASURE Real Time PCR Detection Kits.



Robust & Reliable equipment.



Qualitative & Quantitative data analysis.



Automatic interpretation and analysis of results.

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*One step ahead*



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