
Product Composition and Specification

In Vitro Diagnostics Medical Device

Veri-Q PCR 316

QD-P100

Gene amplification device

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1. Product Composition and Specification

1.1 Product Composition and Specification

The warranty service is available for a year from the date of purchase at no extra cost. The warranty does not cover the failure caused by user's careless handling. Any defaults or failure caused after warranty period will be covered in charge. Check if followings are contained in the product package.

1.1.1 Product Composition



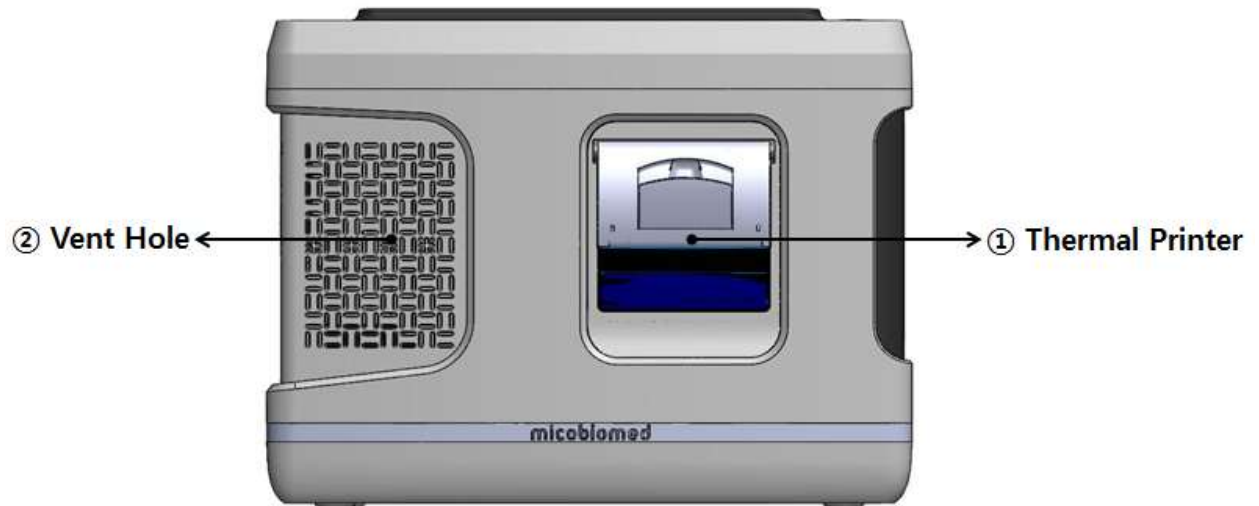
Component	Quantity	Check (O,X)
QD-P100 Instrument	1	
Real-time PCR QD-P100 - Software - Guides - Drivers	1	
AC adapter - Model designation : SNP-A127-M - Manufacturer : SKYNET ELECTRONIC CO LTD, - Input : 100-250V, 3-1,5 A, 50 / 60 Hz - Output : 12 V dc, 9 A	1	
Main power cable (EU)	1	
USB cable A to B	1	
LabChip case	1	
Warranties	1	

1.1.2 Product Specification

Common name	Gene Amplification Device
Brand name	Veri-Q PCR 316
Model name	QD-P100
Software	QD-P100 RTPCR_2.00 Ver
Thermal range	40°C to 120°C
Thermal accuracy	±0.3° of programmed target at 90°C
Thermal uniformity	±0.3° well to well within 30 seconds of 90°C
Input Rating	12 V dc
Input Current	9A
Detection	Photo diode
Ports	USB
Weight	4.7Kg
Dimension	274x170x206mm
Wavelength (Excitation)	FAM – 483±18nm
	HEX – 534±12.5nm
	Cy5 – 628±19nm
	Texas Red – 586±13nm
Wavelength (Emission)	FAM – 535±24nm
	HEX – 572±16.5nm
	Cy5 – 692±23.5nm
	Texas Red – 623±15nm
Dye	FAM, HEX, Cy5, Texas Red,
Battery	Coin battery (CR2032)

1.1.3 Structure and Name

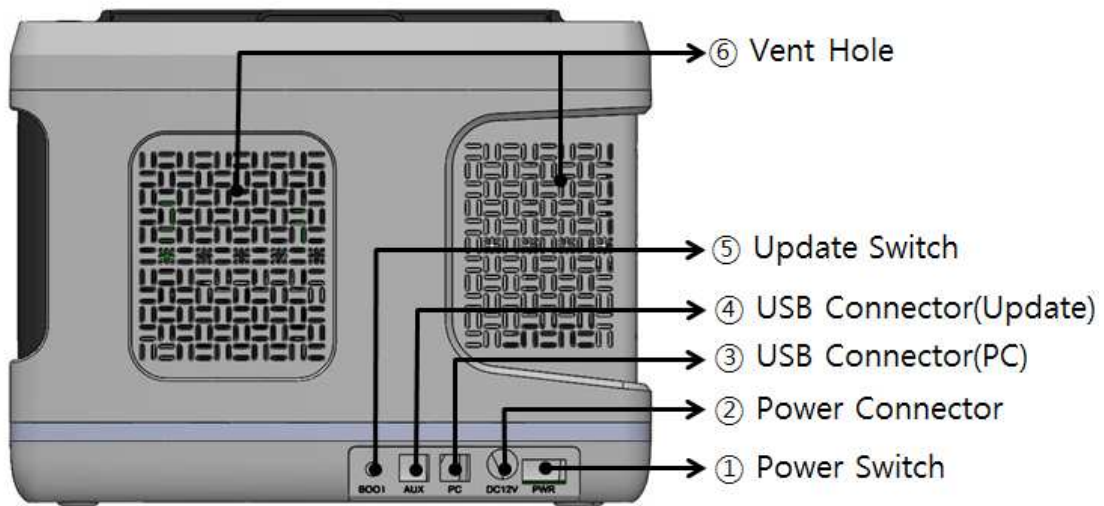
1) Front View



2) Top View



3) Rear View



4) Side View



Product Composition and Specification

In Vitro Diagnostics Medical Device

Veri-Q PREP M16

G2-16TU

Nucleic acid extraction device

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1 Product Components and Specifications

The warranty of Veri-Q PREP M16 - G2-16TU System is 1 year from the date of purchase. All repair work carried after the warranty will be charged. Before installing the product, verify if following product components are included in the package.

1.1. Product components

Components	Quantity	Check(O/X)
Equipment	1 EA	
Power cable	1 EA	
Adapter	1 EA	
Pre-Run cartridge	1 EA	
IFU	1 EA	

1.1.1. Product name

- Common name : Nucleic Acid Extraction device
- Brand name : Veri-Q PREP M16
- Model name : G2-16TU

1.2. Product performance

1.2.1. Specifications

- Equipment Input Voltage : 12V
- Frequency : 50~60Hz
- Adapter Output : 12V 16A
- Weight : 13.3Kg
- Dimensions : 260x335x355mm(DOOR OPEN: 260x620x355mm)

1.2.2. Electrical requirements




- Electrical Voltage : 12V
- SMPS requirements : 12V 16A
- Average Power Consumption : 30W
- Instantaneous maximum power consumption : 110W

- Safety Device: In order to protect the equipment from internal electric shock, varistor have been applied on pumps, and fans. Diode and protection circuit have been applied in the motor area.

1.3. Intended use

An equipment to extraction necessary nucleic acid from various samples such as blood and serum, sputum, tissue for gene amplification test.

1.4. Detailed information of accessories

Components	Explanation
	<p>Power Cable 100~240V. Min 10A Operable with any cable approved by the European Certification Authority.</p>
	<p>Adapter Output : 12V 16A Be sure to use the same as certified genuine product</p>
	<p>Pre-run Cartridge Be sure to use the product provided by MBM</p>





1.5. Disposable Components

Disposables are needed for operation of the equipment.

Sample Prep kits for G2-16TU are only made by MiCo BioMed.

For the treatment of samples, refer to the instruction for use of Prep reagent for each sample. For the processing of samples, refer to the 'Instruction for Use' of Prep reagent for each sample (ex. blood, sputum, serum etc.).

For more detailed information, Please visit our website at <http://microbiomed.com/> or send e-mail to salesbio@microbiomed.com.

Contents	Description
	<p>NST (Sample Tube) Plastic tube with Nucleic acid binding membrane. Nucleic acid will be isolated with this tube.</p>
	<p>NET (Elution Tube) Extracted Nucleic acid shall be Collected in the Elution Tube.</p>
	<p>Buffers Lysis buffer, Washing buffer I/ II, Elution buffer and so on. (Contents are different by type of the kits.)</p>
	<p>NETR (Elution cartridge) Elution tubes will be placed in this holder.</p>



NWTR (Waste cartridge)

All the waste will be collected in this tray.

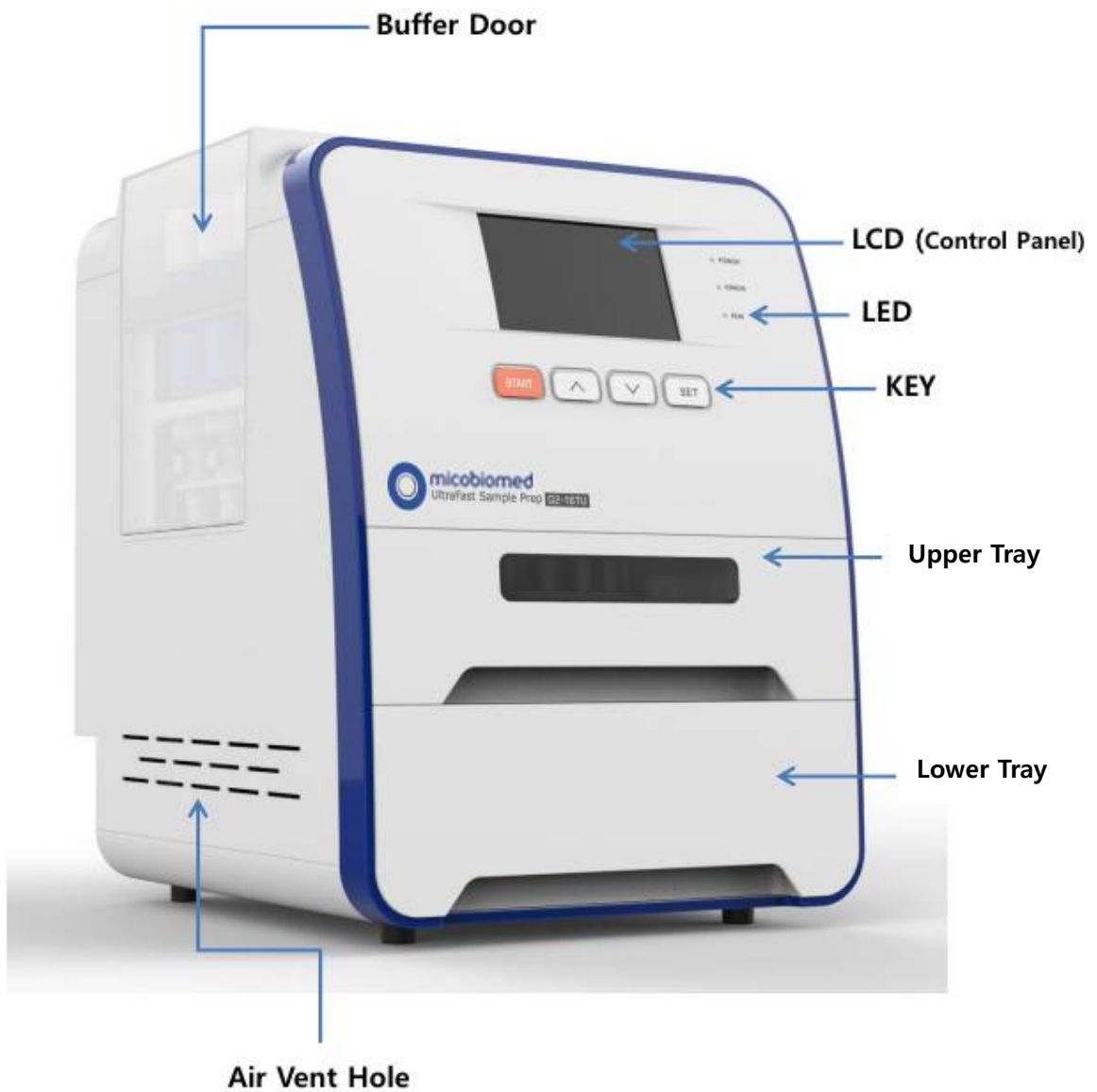


Lid

Elution cartridge will be covered in this lid.

1.6. Equipment Part Names and Functions

Front View



Rear View

