

Bring Technology to Life

TIANLONG

iGenecase 1600

Diagnostics-in-a-Suitcase

Take your testing anywhere with this lab in a suitcase



Tianlong suitcase laboratory iGenecase 1600 contains all necessary devices (GeneFlex Nucleic Acid Extractor, Gentier mini Portable Real-Time PCR System) and compatible consumables for PCR detection. With mobile power supply, professionals can start the experiment anywhere. iGenecase 1600 can be applied in various scenarios including animal disease and infectious disease prevention and control, food safety, scientific research, and other fields. The small, mobile laboratory fitting in a suitcase can deliver test results quickly and accurately, which is ideal for your on-site testing needs.

KEY CONFIGURATIONS

Flexible Throughput

Small Footprint

Immediate Results

GeneFlex 16
Automatic Nucleic Acid Extractor



reddot award
winner

Gentier mini Series

Portable Real-Time PCR System



Portable

Fast

Always Online

LAYOUT IN SUITCASE LAB

Portable Real-time PCR System

Power Strip and Power Cable

Mobile Power Supply

Pipette

Automatic Nucleic Acid Extractor

Mini Centrifuge

Mini Vortexer

1000µL Filter Tips

20µL Filter Tips

200µL Filter Tips

PCR Racks

PCR Tubes

FEATURES



Portable to meet on-site testing need

Lab in a suitcase is portable and flexible to meet your on-site testing needs. Various scenarios applications include infectious disease prevention and control, food safety and other fields.



Flexible to take your testing anywhere

With a mobile power supply, professionals can start the experiment anywhere. No need to worry about no power supply outdoors and sudden power off indoors



Lab in a suitcase to be more convenient

The small, mobile laboratory fitting in a suitcase can deliver test results quickly, which is ideal for your on-site testing needs. Crash-proof design can ensure the stability of the suitcase lab.



Highly efficient extraction and detection

1s to complete fluorescence scanning of all wells
15 min to complete sample nucleic acid extraction



Easy and convenient to start the experiment

1 click to start nucleic acid extraction
3 clicks to complete real-time PCR operations

APPLICATION AREAS

Infectious disease prevention and control

Animal diseases prevention and control

Bioterrorism investigation

FOOD SAFETY

Food safety testing

Import and export inspection and quarantine

Emergency rescue

SPECIFICATIONS

iGeneCase 1600 Diagnostics-In-a-Suitcase

Weight	33 kg
Dimensions	500mm (L) × 300mm (W) × 755mm (H)
Automatic Nucleic Acid Extractor	
Model	GeneFlex 16
Sample Throughput	16
Maximum Processing Volume	1700µL
Recommended Sample Volume	200-500µL
Compatible Consumables	Customized 96-well deep-well plates, 6-tube strips
Mixing Method	Rotary Mixing
Rotation Speed	100-3000rpm
Temperature Control Range	Temperature control separately for lysis and elution. Temperature range from 30°C to 120°C.

Temperature Control Accuracy	Heating speed: 4.0±0.2°C/s. Temperature accuracy: ±1.0°C. Temperature uniformity: ≤1.0°C.
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Reagent Identification	Automatic identification of reagent information and running the assays
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Magnetic Bead Residue	≤1%
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Weight	7.4 Kg (net)
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Dimensions	210mm (L) × 229mm (W) × 242mm (H)
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Portable Real-Time PCR System

	Gentier mini	Gentier mini+
Model	Gentier mini	Gentier mini+
Throughput	16	16
Fluorescence Channels	2	4
Compatible Consumables	0.2mL transparent single tubes, and 8-strip tubes	
Dye Compatibility	F1: FAM, SYBR Green I, LC Green, Eva Green, SYTO 9 F2: HEX VIC TET JOE	F1: FAM, SYBR Green I, LC Green, Eva Green, SYTO 9 F2: VIC, HEX, TET, JOE; F3: ROX, TEXAS-RED; F4: CY5
Heating Rate	Average heating rate: 3.3°C/s; Maximum heating rate: 5.0°C/s	
Cooling Rate	Average cooling rate of 3.0°C/s; Maximum cooling rate of 4.0°C/s.	
Temperature Accuracy	≤ 0.1°C	
Weight	3.2Kg	
Dimensions	205mm (L) × 156mm (W) x 153mm (H)	

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