OPERATING MANUAL

GENERAL PURPOSE INCUBATOR

BIGP-6203

CE ISO9001 CERTIFIED

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INDEX

1.Warranty

Thank you for purchasing a Biolab instrument. In normal use conditions, the instrument is guaranteed for a period of 12 months from the date of purchase.
The warranty is valid only if the product is original. It does not apply to any product or parts of it that have been damaged due to incorrect installation, improper connections, improper use, accident or abnormal conditions of operation.
The manufacturer declines all responsibility for damage caused by failure to follow instructions, lack of maintenance and any unauthorized modification

2.Contents of package

The instrument is delivered complete with the following parts:
- Incubator (main unit)
- 2 stainless steel wire shelves
- 4 brackets for shelves
- Power supply cable
- 2 core of fuse
- User manual

3.Installation requirements and safety tips

3.1 Installation requirements

The incubator should be installed in follow conditions:
1. Dry, clean and stable work table with a flat horizontal surface.
2. Respect minimum spaces around instrument 80 cm.
3. Room temperature between 41°F（5°C）and 104 °F（40°C）, and relative humidity maximum of 85%.
4. Power supply socket with earth connection.
5. Power feed between 220-240V – 50-60Hz.

3.2 Instruction for Safety

3.2.1 Danger!

The improper use of this unit may cause property damage and/or personnel injury.
1. The product must be properly electrically grounded (The Hot line or the Neutral line should not be the grounded connection adhere to the product’s requirement before using).
2. Please ensure the voltage and frequency of the power supply are compatible with the incubator power requirements prior to use. The fluctuations of the supply voltage shall not exceed 10% of the nominal supply voltage.
3. This unit must use the included electrical cord with a dedicated electrical circuit with a confirmed

electrical ground connection.
4. The power switch MUST be in the “OFF” position when power is connected or disconnected from unit.
5. Do not arbitrarily lengthen or shorten the power supply connection wire. Do not modify the power cord in any way.
6. It is prohibited to put in flammable, explosive, volatile, and corrosive substances for drying and baking.
7. Do not touch the chamber door, the chamber body or the surrounding surface when the set temperature is over 176°F（80°C）!
8. Do not put hands or objects into the air inlet or air outlet.
9. The unit should have routine inspections and should be serviced by a qualified service technician when needed.

3.2.2 Warning!

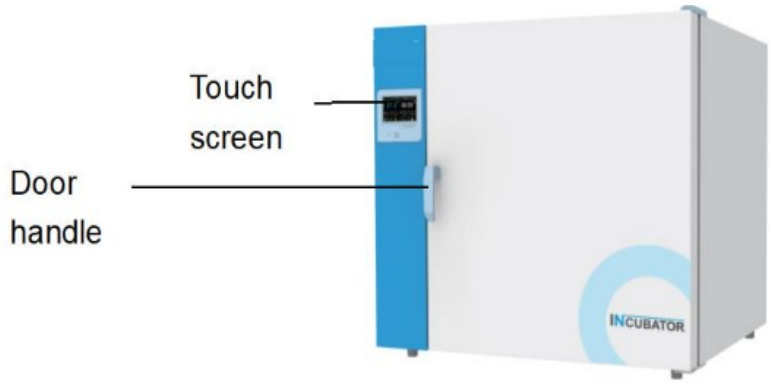
1. Please use the socket connecting with the ground connection to prevent electric shock. If the socket does not have the ground connection, the earth wire must be installed by the qualified electrician. Be sure not to conduct the ground connection through the gas pipe, water pipe, telephone line or lightning rod! This kind of ground connection may cause electric shock due to the incomplete loops.
2. 304 stainless steel material is not acid resistance, so please pay attention to the corrosion prevention measures. Never place corrosive materials inside the unit to prevent damage
3. Do not tension the power supply cord when plug in.
4. The power cord must be removed from receptacle when any of the following occur:
When replacing the fuse;
When the product is waiting for overhaul due to faults;
When the product goes out of service for a long time;
When the product is being moved;

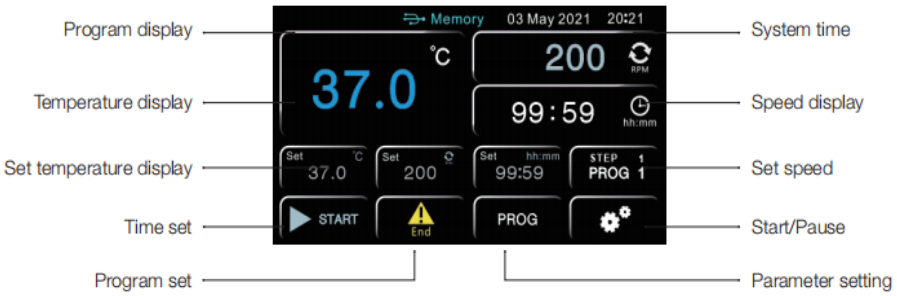
3.2.3 Caution!

1. The incubator should be located on a strong solid surface.
2. Take care when opening and closing the door to prevent damage to delicate internal components.

4.Product introduction

4.1 Function introduction





4.2 Specifications

Natural Convection Incubator

Specification	Requirement	Our Model	Compliance	Deviation	Notes
Type of System	Fully Automated, Random-Access Clinical Chemistry Analyzer with STAT Functionality	Fully Automated, Random-Access with STAT Functionality	Yes	-	The requirement matches the quoted model.
Design	Bench Top / Floor Top, Open System	Bench Top design	Yes	-	bench-top model
Reagent System	Integrated with on-board reagent cooling	90 refrigerated reagent positions	Yes	-	Reagent cooling is specified as 2-8°C in both systems.
Reagent Capacity	32 reagent positions for 10 ml, 25ml, 50 ml bottles	90 Reagent positions	Yes	-	Our model has a higher capacity (90 positions).
Reagent Volume per Test	250 µl per test	10-350 µl per test	Yes	-	Within acceptable range.
Sample System	Outer segment with 50 barcode readable positions, inner segment with 12 positions	60 or 90 sample positions, built-in barcode system available	Yes	-	Meets the requirement with extra capacity in sample positions.
Sample Volume	1-30 µl	1-70 µl	Yes	-	Sample volume exceeds requirement.
Pipetting System	1000 µl syringe, programmable in 1 µl steps	1-70 µl sample syringe, programmable in 0.1 µl steps	Yes	-	The quoted model has more precise pipetting for sample volumes.

Cuvette Wash	Fully automatic, overflow-level detector	Automatic cuvette washing	Yes	-	It has systems provide automatic cuvette washing.
Light Source	Quartz-iodine lamp 12V-20W	12V/30W halogen-tungsten lamp	Yes	-	Light sources are similar.
Wavelength Range	340 - 800 nm	340, 405, 450, 480, 505, 546, 570,600, 630, 700, 750, 800 nm	Yes	-	Matches wavelength range requirements.
Photometric Range	-0.1 to 3.0 Absorbance, Resolution 0.001 Abs	0-3.5 Abs, 0.001 Abs resolution	Yes	-	Both systems are in compliance with photometric range.
Measurement Mode	Kinetic, mono- and bichromatic end-point, two-point measurement	Kinetic, Fixed-time, Rate (Kinetic), 1- and 2-point, non-linear calibration	Yes	-	Model offer a range of measurement modes.
Quality Control	Up to 15 controls, Westgard rules, Levey-Jennings plots	Real-time QC, Westgard multi-rule, Cumulative Sum Check, Twin Plot	Yes	-	Model offer quality control mechanisms.
Quality Standard	ISO Certified, CE	CE, ISO 9001, ISO 13485	Yes	-	Both are compliant with ISO, CE.

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