

COMMODITY DESCRIPTION

H.S. Code	Item No	Description	Unit	Quantity
8419.89.9090	-	General Incubator	SET	1

A. Model Name : JSGI-050T

B. Product Description : General Incubator

C. Manufacturer / Origin : JS Research Inc. / Rep. of KOREA

D. Application :

JSGI-Series General Incubator is ideal for bacterial, fungal, cell and tissue culture incubation temperature range from ambient +5℃ to +70℃.

Coaxial Fan mildly circulates air within the chamber to maintain thermal uniformity of incubator.

E. Photo



JSGI-100T General Incubator

F. Feature

Controller

- ✓ ± 0.1 °C Digital PID Controller with LED Display
- ✓ Automatic START/STOP timer
- ✓ Adjustable timer scale 99min 59sec / 99hr 59min / 99day 23hr or continuous operation
- ✓ Temperature calibration
- ✓ Auto-tuning function
- ✓ Class A Pt-100 Ω sensor

Construction

- ✓ Durable epoxy powder coated metallic casing
- ✓ Corrosion resistant Stainless Steel 304 chamber with seamless round cornered edge allows easy decontamination and prevent leakage
- ✓ Durable Stainless Steel 304 Sheath Heater
- ✓ Tempered safety inner glass door for easy observation of samples

Performance

- ✓ Forced circulation for excellent thermal accuracy within ± 0.2 °C
- ✓ Separate heating compartment prevents contamination and maintenance free

Convenience

- ✓ Outer door with self adhesive magnetic packing
- ✓ Inner glass door with high density silicone packing and air-tight door lock, door switch to cut-off heater and fan to protect thermal drop when put in and out sample
- ✓ Stainless Steel 304 Chamber with seamless round cornered edge allows easy decontamination and prevent leakage
- ✓ Removable and height adjustable shelf by 25mm spacing
- ✓ Opening size adjustable access port

Safety

- ✓ DUAL OVER TEMP. CUT-OFF
- ✓ Digital system cut-off heater and AUDIO VISUAL ALARM in case $+2$ °C above set temperature
- ✓ Analog system cut-off heater 10% above set temp.
- ✓ MAX TEMP CUT-OFF heater and AUDIO VISUAL ALARM when $+1$ °C above maximum limit
- ✓ DOOR SENSOR : Inner glass door switch cut-off heater and blower when door opened
- ✓ SENSOR DISCONNECTION ALARM
- ✓ OVER CURRENT CUT-OFF : Fuse

G. Specifications

Chamber Volume (Capacity)	48 Liters
Inner Dims. (W x D x H)	400 x 300 x 400 mm
Outer Dims. (W x D x H)	580 x 535 x 720 mm
Inner Glass Door (W x H)	461 x 477 mm
No. of Shelves included	2 EA
No. of Shelf position	12 EA by 25 mm spacing
No. of Access Port	1 EA
Heating	Forced Air Convection
Temp. Range	ambient +5°C ~ +70°C
Accuracy	±0.2°C at +37°C
Uniformity	±0.5°C at +37°C
Heat up time to +37°C	15 min.
Control	Microprocessor PID control Auto START / STOP Timer
Sensor	Class A PT-100 Ω Sensor
Safety	Over-Temperature Cut-Off Over Current Cut-Off
Material	Body : Epoxy Powder Coated Steel, 1.0 mm thickness Chamber : Stainless Steel 304, 0.8 mm thickness Inner Glass Door : Tempered Safety, 5 mm thickness
Electrical Requirement	220 ± 10% VAC, 50/60Hz, 1-Phase
Heater Capacity	150 W
Power Rating	0.7 amps
Plug Configuration	CEE 7/7 Schuko or BS 1363
Net Weight	32 kg
Shipping Weight	36 kg
Shipping Dims. (W x D x H)	600 x 560 x 790 mm, carton on a wooden palette

H. Standard Accessories

PVC Coated Wire Shelf : 2 EA

Shelf Support : 8 EA

Instruction Manual : 1 EA

Warranty Card : 1 EA

I. Options & Accessories

Art No.	Descriptions
OEC-001	JSC-1D Digital PID Controller /w RS-232C Interface, PC Software
OEC-003	JSC-3D Programmable Controller 1 Pattern 11 Segments /w RS-232C Interface, PC Software
OEC-005	JSC-5D Programmable Controller 5 Patterns 80 Segments
PHS-A03	Perforated Shelf, Stainless Steel 304, W370 x D280 mm
PHS-C03	PVC Coated Wire Shelf, W370 x D280 mm
PHS-A99	Shelf Support, Set of 4 EA

J. Warranty

1 Year full coverage warranty