

2-Chamber Incubators | Upper Chamber with High Temp., Lower Chamber with Low Temp.

INC822C

Natural
ConvectionForced
ConvectionAutomatic
Overheating
PreventerOverheating
PreventerSelf-diagnostic
FunctionPower Failure
Compensation
FunctionOvercurrent
Leakage Circuit
Breaker

Operating temp. range Upper section: RT+5~80°C Lower section: -10~60°C

Temp. uniformity $\leq 2.0^{\circ}\text{C}$ (at 37°C)

Internal capacity Upper section: 159L Lower section: 143L

1 product can simultaneously perform high temperature incubation and low temperature incubation.**Features**

- The upper chamber is a constant temperature chamber with a constant value operation, timer function and overheat prevention device, and the lower chamber is a low temperature incubator with 6 programs setting of 10 segments to 30 segments.
- The lower chamber achieves high-precision temperature control and balanced internal temperature distribution through forced air circulation by fan blades.
- The inner glass door enhances the insulation effect. Observation of samples through the inner glass door minimizes temperature changes.
- Defrosting can be set to cycle defrost based on the continuous operation time of the compressor.
- After power outage, the operation can automatically restart under the set temperature conditions through the power outage compensation function.
- Both upper and lower chambers are equipped with door locks.

Safety

- Equipped with safety functions such as refrigerator overload relay, independent overheat prevention device, overcurrent leakage protection switch, self-diagnosis circuit (temperature sensor abnormality, heater disconnection, SSR short circuit, automatic overheat prevention), buzzer alarm in case of abnormality, etc.

Specifications

Model		INC822C	
Basic structure		Lower chamber: low temperature incubator	Upper chamber: constant temperature incubator
Performance	Operating temp. range	-10~60°C	Room temp. +5~80°C
	GB standard	Temp. fluctuation	$\pm 0.5^{\circ}\text{C}$
		Temp. uniformity	$\leq 2.0^{\circ}\text{C}$ (at 37°C), $\leq 3.0^{\circ}\text{C}$ (other working temperatures)
	Heating time	20~52°C $\leq 30\text{min}$	RT +5~70°C $\leq 70\text{min}$
	Cooling time	20~-4°C $\leq 60\text{min}$	-
System		Forced convection	Natural convection
Composition	Interior material	Stainless steel (SUS304)	
	Heater, insulation material	Nickel-chromium alloy heating wire, foamed polystyrene	
	Heater power	550W	400W
	Air blower	Crossflow fan	-
	Refrigerator, refrigerant	158W R134A	-
	Defrost mechanism	Cycle operation	-
	Cable port	Internal diameter 30 mm right side of the body	Internal diameter 30 mm right side of the body
	Exhaust vent	-	30 mm roof of the body
	Controllers	VS6 type program operation temperature controller	VS6 type fixed value operation temperature controller
	Sensors	Temperature controller: Pt resistance thermometer	Temperature regulator: Pt thermal resistor, for overheat protection: K-type thermocouple
Heater control	SSR control		
Additional functions	Deviation correction, key lock, power outage compensation		
Operation functions		Programmable controller with 3 modes (30 segments \times 1, 15 segments \times 2, 10 segments \times 3), auto start, quick auto stop, auto stop	Fixed temp. operation, auto start, quick auto stop, auto stop, program operation
Safety device		Refrigerator overload relay, independent overheat prevention device, overcurrent leakage protection switch, self-diagnosis circuit (temperature sensor abnormality, heater disconnection, SSR short circuit, automatic overheat prevention), buzzer alarm in case of abnormality	
Specifications	Power supply (50Hz) rated current	AC220V 6A	
	External dimensions (W \times D \times H mm)	710 \times 656 \times 1792	
	Internal dimensions (W \times D \times H mm)	600 \times 477 \times 500 Internal volume: 143L	600 \times 530 \times 500 Internal volume: 159L
	Shelf layers/shelf support spacing	13 layers/30mm	
	Shelf load	Approx. 15 kg/piece	
	Product weight	Approx. 160 kg	
Accessories	Shelf	Stainless punching mesh plate	
		3 pcs	2 pcs
	Supports	6 pcs	4 pcs
	Door key	2 pieces per chamber	
Options		Shelf (1 shelf with 2 supports), micro printer, data logger, combination warning light (standby/running/fault), external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time-up output terminal, centralized monitoring software, and touch screen controller	

1 Sterilizers

2 Granulation and Spray Dryers

3 Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Stirrers & Shakers

12 Options