

2-Chamber Incubators | Low Temp.

IQ823C

- Forced Convection
- Automatic Overheating Preventer
- Overheating Preventer
- Self-diagnostic Function
- Power failure Compensation Function
- Overcurrent Leakage Circuit Breaker

Operating temp. range -10~60°C

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

Internal capacity 143L×2

A two-chamber low-temperature incubator capable of independent program operation.

Features

- The controller panel is set on the door, improving operability.
- The process of incubation and preservation, etc., can log 6 programs from 10 segments to 30 segments according to experimental conditions.
- Defrosting can be set to cycle defrost based on the continuous operation time of the compressor. Both chambers are equipped with large cable ports with an internal diameter of 50mm.
- 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.
- Equipped with door lock.



Internal chamber



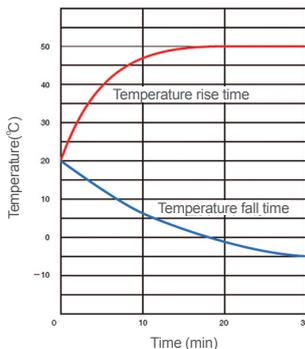
Cable port



Shelf



Heating and cooling curve



Specifications

Model		IQ823C	
System			
		Forced convection	
Performance	Operating temp. range	-10~60°C (both upper chamber and lower chamber)	
	GB standard	Temp. fluctuation	$\pm 0.1^{\circ}\text{C}$ (at 37°C)
		Temp. uniformity	$\pm 1.0^{\circ}\text{C}$ (at 37°C)
	Temp. adjusting accuracy	20~52°C $\leq 20\text{min}$	
	Temp. distribution accuracy	20~-4°C $\leq 60\text{min}$	
Composition	Interior material	Stainless steel (SUS304)	
	Exterior material	Cold rolled steel plate with chemical proofing coating	
	Insulating material	Foamed polystyrene	
	Refrigerator	158W×2	
	Refrigerant	R134A	
	Defrost mechanism	Cycle operation	
	Heater	Nickel-chromium alloy heating wire 550W×2	
Cable port	Inner diameter: 50mm (right side)		
Controllers	Temp. control method	PID control	
	Temp. setting method	Digital settings achieved via function menu key and $\blacktriangle/\blacktriangledown$ keys	
	Temp. display method	Measured temp. display	Green 4-digit LED digital display
		Setting temp. display	Red 4-digit LED digital display
	Timer	1 min~99 h 59 min and 100~999 h 50 min (including timer waiting function)	
	Operation functions	Automatic stop operation, automatic start operation, program operation (30 segments×1, 15 segments×2, 10 segments×3)	
Additional functions	Deviation correction, key lock, power outage compensation		
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, etc.	
Specifications	Internal dimensions (W×D×H mm)	600×477×500, 2 chambers	
	External dimensions (W×D×H mm)	710×656×1792	
	Internal capacity	143L×2	
	Shelf load	Approx. 15kg/shelf	
	Shelf layers/shelf support spacing	13 layers ×2 chambers/30mm	
	Power supply (50/60Hz) rated cur-rent	AC220V 7A	
Weight	Approx. 165kg		
Accessories	Shelf/supports	3 pieces of stainless steel pressed net plates ×2 chambers/6 pieces ×2 chambers	
	Key	2 pieces ×2 sets	
Options		Shelves, micro printer, data logger, external communication function (RS485), temperature output terminal (4~20mA), external alarm output terminal, time arrival output terminal, centralized monitoring software, touch screen controller	

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