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LAB & MED equipment one-stop solution provider

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INFITEK CO., LTD.
PRODUCT BROCHURE

Platelet Oscillating Incubator

POI-3



Application

Three Power Supply Modes: AC power 220V, DC power 12V, DC power 24V.
There is a spare battery inside which can work for 30 minutes after the power is cut off to ensure the safety of platelets during transportation.



Features

- Adopt imported constant speed motor, continuous operation without noise. Inner circulation air duct ensures uniform temperature.
- With automatic fault detection system, makes it safe and reliable.
- The thermal insulation material is polyurethane foam, with good thermal insulation performance.
- The case is light, small and convenient to transport.

Specification

Model	POI-3
Temperature Control Range	22°C ±2°C
Temperature Control Accuracy	±0.1°C
Oscillation Frequency	60 cycles/ minute
Oscillation Amplitude	50mm±5
Working Mode	continuous back and forth from left to right, horizontal oscillation
Refrigeration Rate	60W
Heating Power	60W
Alarm Temperature	<20C, >24 °C
Environmental Temperature	5°C -35°C
Refrigeration rate	60W
Dimensions:(Length x Width x Height)	450mmx300mmx350mm
Number of Layers and Height	3x30mm

Platelet Oscillating Incubator

POI-5 POI-10

Box

SUS oscillator, mirror surface SUS shelves, box foamed with high density CFC-free material, reasonable design of air duct in the cabinet, axial flow fan makes inner temperature more uniform with accurate temperature control.

Purpose

Suitable for hospitals, blood stations, research institutes and university labs.

Temperature Control Mode

- High accuracy sensor.
- Microprocessor temperature control, inner temperature controlled in 22℃±2℃.
- Intelligent controlled fan with forced cycle system to ensure inner temperature more uniform.



Characteristic Function

- Disinfection with UV, set disinfection time freely, UV light would be off while door open, to protect human body.
- Temperature printer can be set as needed.
- Wide voltage from 187V to 242V.
- Power on/off switch, more convenient for operation.
- Double transparent insulated glass door for easy observation.
- Big digital display for easy observation.

Refrigeration System

- Branded condenser fan.
- Branded compressor with CFC-free refrigerant.
- High efficiency refrigeration system, fast cooling speed and uniformity temperature inside.
- Branded evaporator for safety and longevity.
- Finned evaporator to speed up the cooling process.

Imported oscillation slide rail for longevity and low noise.

High/low temperature alarm, sensor error alarm, power failure alarm for 72 hours, door ajar alarm.

Two alarm styles: audible buzzing and visual flashing light.

Power cord with earth leakage protection.

Specifications

Model		POI-5	POI-10
Specificalitons	Shelf/drawer QTY	SUS Drawer	SUS Drawer
	Drawer QTY	5	10
	Cooling system	Air cooling	Air cooling
	Defrost	No frost	No frost
	Refrigerant Type	R134a	R134a
	Refrigerant Weight(g)	53	53
	Power consumption(kWh/24h)	1.91	2.02
	Noise(db)	49	50
	Ambient temperature(℃)	10~32℃	10~32℃
	Temperature range(℃)	20~24℃	20~24℃
	Oscillation Range (mm)	50	50
Cooling system	Oscillation Frequency (times/min)	60	60
	Compressor brand/QTY	EMBRACO/1	EMBRACO/1
	Sensor	NTC	NTC
	Temperature controller	Microprocessor	Microprocessor
Power	Display	LED Digital display	LED Digital display
	Voltage/frequency (V/Hz)	220/50Hz	220/50Hz
	Power (W)	197W	280W
	Current (A)	1.3	1.5
Material	Inside material	SUS	SUS
	Outside material	Coated Steel	Coated Steel
	Insulation	CFC-Free PURF	CFC-Free PURF
Size	Storage Capacity(450ml blood bags)	10 Bags / 5 layers	20 Bags /10 layers
	Effective Capacity (L)	72	145
	NT./GT. (kg)	65/79	85/88.5
	Exterior size(W*D*H)(mm)	522×600×1056	522×600×1305
	Interior size(W*D*H)(mm)	427*360*467	432*462*728
	Package size(W*D*H)(mm)	585*710*1550	585*710*1425
	CBM	0.49	0.59
	20GP/40GP/40HQ	24/48/96	27/60/60
Alarm System	High/low temperature	Y	Y
	Power failure	Y	Y
	Sensor malfunction	Y	Y
	Door ajar	Y	Y
	Power failure alarm(For controller)	72h	72h
	Caster	Y/4 2Universal+2Fixed	Y/4 2Universal+2Fixed
Accessories	Auto-rebound (Outer door)	Y	Y
	Outer door / Type	1/Heating & Foam glass door	1/Heating & Foam glass door
	Test hole	1(25mm)	1(25mm)
	Thermal printers	Y	Y
	Light	UV Lamp	UV Lamp
	Datalogger	Optional	Optional

Platelet Oscillating Incubator

POI-5II POI-7 POI-20 POI-40 POI-80

Features

- A variety of methods to monitor the complete recording of equipment temperature and information and the traceability of quality control data.
- Print the temperature record in real time and monitor the temperature change of the equipment at any time.The device has USB data export function to realize data traceability and facilitate quality monitoring.
- The device is equipped with a code- -scanning gun that has code- scanning function, effectively identifying the source of information. (Optional)
- Machine running microprocessor control
- Utra -high temperature/ultra-low alarm
- Abnormal shutdown power failure alarm
- Motor fault automatic alarm
- LED LCD, information reading window It has the function of ultraviolet sterilization to keep the environment in the cavity sterile.Imported compressor, quality assurance
- Refrigeration method: air cooled R134A non- fluorocarbon refrigerant
- Silent casters with lock for easy movement
- Adopt independent control with dual temperature zone （POI-40/80 type）
- POI-40 type has two independent oscillators, POI-80 type has four independent oscillators, users can independently control the specific oscillator by needs, it is very convenient to use.



Specifications

Model	POI-5II POI-7 POI-20 POI-40 POI-80
Temperature Control Method	Digital signal detection, microprocessing technology
Temperature Control Range	22.0℃±2.0℃
Alarm Temperature	<20℃、>24℃, abnormal shutdown power failure alarm
Oscillation Amplitude	50mm
Working Mode	continuous back and forth from left to right, horizontal oscillation
Oscillation Frequency	60±5 cycles/ minute
Environmental Temperature	5℃-35℃
Refrigeration Power	200W for POI-5II, POI-7, POI-20 type, 300W for POI-40 type, 400W for POI-80 type
Heating power	300W for POI-5II, POI-7, POI-20 type, 500W for POI-40,600W for POI-80 type

Model	Dimensions: (Width x Depth x Height)	Storage Area and Layers: (Width x Depth×Height)	Number of Bags of Platelet Stored	Package Dimension (W*D*H) (mm)
POI-5II	540*560*990 (mm)	430*360*460 (mm) 5 layers	5-10 bags	630*710*1210mm
POI-7	540*560*990(mm)	430*340*470(mm) 7 layers	7-14 bags	
POI-20	720*600*1070 (mm)	600*410*540 (mm) 10 layers	30-60 bags	
POI-40	800*750*1720 (mm)	680*450*1145 (mm) 20 layers	60-120 bags	910*890*1960mm
POI-80	1520*750*1800(mm)	1404*436*1132(mm)10 layers*4	200-260bags	