

Jeio Tech 300 Litre Pharmaceutical Stability Test Chamber (TH-ICH-300)

Product Code: AAHC1002K

Brand: Jeio Tech

The Jeio Tech 300 Litre Pharmaceutical Stability Test Chamber (TH-ICH-300) contains a fine temperature and humidity control system suitable for carrying out long-term stability tests and an independent luminescence control system for photostability tests. Its fast humidity control is accomplished by making the humidification tank central to the chamber.

The operating process for stability tests can be seen through the test chamber's graph mode for enhanced data examination. For photostability tests, this test chamber comes with a built-in UV and fluorescent lamp for aligned luminescence.



Features:

Performance:

- Microprocessor PID control/temperature calibration/automatic tuning.
- Rapid humidity control is achieved by adapting the humidification tank interior to the chamber.
- Air-tight door closure with perfect sealed packing. Heat-resistant silicone packing completely blocks high heat leakage from the inner chamber.

Convenience:

- Two different sized models available to suit any users' needs.
- Corrosion resistant stainless steel chamber.
- Cable port for introduction of external probes or wires. 50mm diameter cable port comes standard on the left side of the unit. Additional 50mm or 80mm diameter cable ports, custom ordered (optional).
- Inner glass door with entry ports for handling samples without affecting inner chamber temperature and humidity (optional).
- Casters for easy mobility during installation or relocation.
- User-friendly LCD controller. Colourful interactive touch type LCD controller. Set point temperature and present temperature are clearly shown together on display. Sufficient programmable control support. Operating progress can be shown in graph mode for better data understanding. Automatic start/stop can be programmed for unattended operations. Display indicates abnormal temperature changes or power failures. Selective bilingual language support (Korean/English or English/Chinese, selectable only when placing an order). Temperature and other operating parameters can be recorded using a six channel digital recorder (optional).
- Computer interface. RS-485 communication port (optional) enables connection up to maximum 32 units. Simultaneous monitoring and operating of multiple units is an available feature. Programme patterns are simple to set with the use of our software. Easy to check status of real-time operations. Graph data supports easy understanding. Storage and documentation of programmes. Data with saving capabilities in excel and text format. Storage of programme information, back-up of value settings, recovery, and temperature values. RS-232 communication port as standard offer.

Stability Test ICH Guideline Q1A (R2):

- Operating progress visible through graph mode for better data analysis.
- Cyclic defrost system, designed to work excellently for the long period stability test operation (Temperature and humidity changes may occur during automatic defrost).
- Maintenance of water supply are easily performed with a front water tank. Water level check indicated by water level bar in the tank.
- Water supply during operation is also available for long-term test purposes.
- Direct water system provides user great convenience when performing long-term test (optional).

Photostability Test ICH Guideline Q1B (Option 2):

- Built-in UV and fluorescent lamps for uniformed luminescence.
- Equipped with movable UV and VIS sensors.
- Independent lamp controllers. An indicator for total usage time of UV and fluorescent lamps.
- Convenient set function of cumulative dosage and lamp OFF.

Safety:

- Built-in door lock with a key.
- Automatic shut off after overheat alarm.
- Low and empty water level alarm.
- Power supply leakage breaker.
- Over current protection.
- Open door alarm.

Specifications:

Chamber Volume (litres)		300
Controller		PID control (LCD type)
Temperature	Range Without Humidity	-5 to 85°C without light 0 to 85°C with light
	Range With Humidity	+15 to 85°C with light
	Fluctuation at 40°C/60%RH	± 0.3
	Variation at 40°C/60%RH	± 0.5
Time (min.)	Heating	25 min. (20°C to 85°C)
	Cooling	35 min. (20°C to 5°C)
Humidity	Range (%RH)	20 to 85
	Fluctuation at 60%RH/40°C	± 3
	Variation at 60%RH/40°C	± 5
Light Source	Cool White	6000 lux
	Ultraviolet-A	4.5 W/m ²
	Light Uniformity	VIS: ± 10% UVA: ± 15%
Typical Time Required to Reach ICH Recommendation of 1.2 Million lux-hr.		200 hr.
Typical Time Required to Reach ICH Recommendation of 200 W-hr./m²		50 hr.
Refrigeration	System	Air-cooled
	Refrigerant	R-404A
Water Tank	Capacity (litres)	15 - Cartridge Type
	Water Quality	pH 6.2 to 7.2, electrical conductivity 20µs/cm to below
No. of Wire Shelves (standard/max.)		2/8
Distance of Between Shelves (mm)		60
Max. Load Per Shelf (kg)		25
Permitted Total Load (kg)		75
Dimensions (w x d x h)	Internal	750 x 650 x 650mm
	External	1130 x 985 x 1520mm
	Net Weight (kg)	280 ± 10
Cable Port		Basically one hole provided/Ø 50mm (2")
Interface Port		Basically RS-232C (RS-485 optional)
Electrical Requirements (AC230V, 1ph, 50Hz)		15.4A

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