

Meditest Climatic Cabinet

Climatic cabinet for ICH stability test



What is a climatic chamber?

In a climatic cabinet, products are tested within an exactly defined environment to enable conclusions about product quality and life time.

Climatic cabinets are a basic requirements in any product development to obtain information of product performance under defined climatic conditions.

Usage example:

Use for stability testing in pharmaceutical industry
Use for general shelf life and ageing tests

Features:

- ◆ 304 stainless steel interior and exterior- corrosion resistant
- ◆ Self-adjusting PID controller for temp. and humidity
- ◆ PT 100 sensor
- ◆ Accurate control of temperature
- ◆ Ultrasonic vapor generator-- Produces very small quantity of vapor to give fine humidity control
- ◆ No problem for controlling humidity, even in low temperature
- ◆ Low water level indicator
- ◆ Optimized fan circulation
- ◆ Automatic water filling--- Using sterilized water provides a "clean" environment for testing
- ◆ Good uniformity and stability conditions
- ◆ Door with key lock
- ◆ Internal light
- ◆ Night/Day lighting cycle

Options:

- ◆ Audible alarm
- ◆ Data logging for PC or chart recorder
- ◆ IQ/OQ documentation

The requirement stated in International Conference on Harmonisation (ICH) of Technical Requirements for the Registration of Pharmaceuticals for Human Use.

General storage test for ICH Q1A

Study	Storage condition	Minimum time period covered by data at submission
Long term	25°C ± 2°C/60% RH ± 5% RH or 30°C ± 2°C/65% RH ± 5% RH	12 months
Intermediate	30°C ± 2°C/65% RH ± 5% RH	6 months
Accelerated	40°C ± 2°C/75% RH ± 5% RH	6 months

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