

COMPANY PROFILE

Fujian JIUPO Biotechnology Co., Ltd., founded in 2016, specializes in providing intelligent laboratory solutions to research institutions worldwide. Driven by technological innovation, JIUPO has established a complete industry chain from R&D to service, becoming a leading provider of scientific research instruments.

We offer a comprehensive portfolio of core research equipment designed for indoor plant cultivation, plant phenotyping, intelligent environmental simulation, and germplasm preservation. Our solutions feature climate rooms, plant factories, glass greenhouses, plant phenotyping and hyperspectral imaging systems, plant growth chambers, CO2 incubators, constant temperature and humidity chambers, pharmaceutical stability test chamber, biochemical cultivation chamber, mould cultivation chambers, germplasm banks, and seed preservation chambers. These products are extensively applied in advanced research fields, including precision agriculture, life sciences, biomedicine, and agricultural biotechnology.

Our company boasts an in-house R&D capability, equipped with a precision machining center and a comprehensive full-process quality assurance protocols. Our product designs integrate modularity, intelligence, and energy efficiency concepts. We have obtained 55 national patents and multiple international certifications, and have been consistently recognized as a "National High-tech Enterprise." By establishing an integrated service system of "R&D - Production - Delivery - Operation and Maintenance," we provide customized solutions to over 300 top-tier research institutions and companies worldwide. Our products are renowned for their high aesthetic appeal, superior quality, and exceptional performance, and are exported to more than 24 countries and regions including Europe, the United States, the Middle East, and Southeast Asia.

JIUPO Biotechnology has always adhered to the philosophy of "empowering research with technology and serving innovation with craftsmanship." Through continuous technological iterations and industrial upgrades, we help our clients overcome laboratory efficiency bottlenecks and promote the global development of life sciences.

300⁺

Partner Institution

600⁺

Climate Rooms Cases

50⁺

Patent certificate

80⁺

Intellectual Properties



Web QR

FUJIAN JIUPO BIOTECHNOLOGY CO., LTD.

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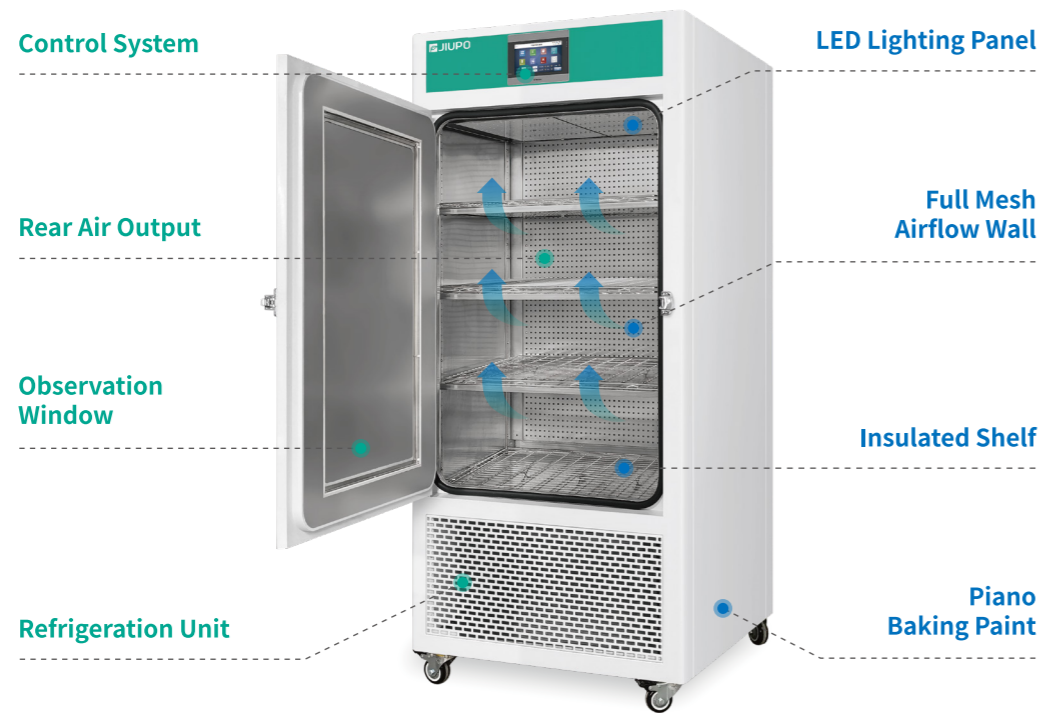
PHARMACEUTICAL STABILITY TEST CHAMBER



JIUPO Innovation
Nurturing The Measures of Life Science

Pharmaceutical Stability Test Chamber

JIUPO Pharmaceutical Stability Chamber is a precision environmental simulation device specifically designed for the pharmaceutical industry. It involves the precise control of temperature, humidity, and light intensity, aiming to simulate various environmental conditions throughout the entire lifecycle of pharmaceuticals—from research and development to production and storage—to verify drug stability and safety and ensure compliance with pharmaceutical regulatory requirements.



Precise Control, High Efficiency and Energy Saving

- Ultrasonic Humidifier: Ensures more uniform humidity distribution.
- Refrigerant Cooling System: Incorporates patented heat recovery technology to reduce energy consumption while meeting temperature and humidity requirements. Equipped with high-end brand compressors, featuring advantages such as energy saving, low noise, low power consumption, and stable performance.
- Precise Control: Adopts advanced PID intelligent control to ensure rapid response, minimal fluctuation, and stable reliability in temperature and humidity adjustment.



Intelligent Environmental Control, Comprehensive Protection

- Environmental Simulation: Capable of setting temperature and humidity parameters for multiple scheduled time periods, with real-time trend charts recording parameter changes.
- Remote Management: Standardized with a dedicated APP, enabling users to remotely monitor device status and adjust parameters.
- Alarm Functions: Provides over-temperature/humidity protection, sensor abnormality alerts, device malfunction warnings, and automatic restart after power recovery.
- Authority Management: User hierarchy system with clear responsibilities and independent password management.



Patented Uniform Circulation Outlet

Featuring JIUPO'S patented circulation structure design, air is discharged from the back and returned via the top, ensuring more balanced environmental parameters (such as temperature and humidity) across all layers inside the chamber.



Meticulous Craftsmanship, Aesthetic and Durable

- Exterior & Interior Design: The piano-baked enamel exterior, full stainless-steel inner liner, and one-piece polyurethane foam molding ensure robust structure and excellent thermal insulation.
- Observation Window: Equipped with double-layer tempered glass and silicone sealing strips, it features meticulous craftsmanship, minimal dimensional error, and exquisite technique.
- Insulated Inset Door: Stylish and elegant, offering reliable quality.

Product Models	PTC100	PTC300	PTC500	PTC500D	PTC600	PTC800	PTC1000	PTC1600	PTC2000
External dimensions W*D*H[mm]	715*640*1200	770*720*1760	900*800*1940	900*800*1940	900*800*1940	1165*800*1940	1920*753*2010	2255*820*2010	2400*1000*2010
Internal dimensions W*D*H[mm]	582*385*470	685*498*970	743*578*1128	(753*580*560)*2	744*567*1474	761*656*1550	1297*597*1585	1631*667*1603	1715*720*1818
Volume[L]	105	330	484	489	621	773	1227	1743	2244
Shelves	2	4	4	2*2	5	5	6	6	6
Shelf height[mm]	203	180	218	229	247	274	224	227	216
Cultivation area [m ²]	0.4	1.2	1.7	0.8*2	2.0	2.2	4.1	4.9	7.2
Temperature	Temperature range: 0 ~ 70°C, Temperature accuracy: 0.1°C, Temperature fluctuation: ≤0.5°C, Temperature uniformity: ±2°C								
Humidity	Humidity range: 10 ~ 95%RH, Humidity accuracy: 1%RH, Humidity fluctuation: ≤3%RH, Humidity uniformity: ±5%RH								
Lighting	Standard LED light source with stepless dimming from 0 to 100% for maximum intensity, Ultraviolet Fluorescent Lamp								
Peak Power (220V) [KW]	1.5	1.6	1.9	2.7	1.8	2.3	2.6	4.1	5.4
Working voltage	220VAC / 50HZ								
Working environment temperature	5 ~ 35°C								
Other options	Observation Window, Embedded Printer								