## Intended Use

This product is used in fields such as cell biology, genetics, oncology, immunity and genetic engineering research. It is a device for modern medicine, medicine, biochemistry and agricultural science research.

## Technical Specifications

| Model | ST-106 | ST-175 | ST-300 |
|---|---|---|---|
| Supply voltage | AC220V/50Hz | AC220V/50Hz | AC220V/50Hz |
| Input power | 1300W | 1300W | 1300W |
| Operating ambient temperature | 19°C - 25°C | 19°C - 25°C | 19°C - 25°C |
| Display screen | 4.3-inch color touch screen | 4.3-inch color touch screen | 4.3-inch color touch screen |
| Volume of box | 106L | 175L | 300L |
| Temperature control range | Room temperature +3°C - 55°C | Room temperature +3°C - 55°C | Room temperature +3°C - 55°C |
| Temperature display accuracy | ±0.1(37°C) | ±0.1 (37°C) | ±0.1 (37°C) |
| Temperature resolution | 0.1°C | 0.1°C | 0.1°C |
| Temperature uniformity | ±0.3 (37°C, room temperature 25°C) | ±0.3 (37°C, room temperature 25°C) | ±0.3 (37°C, room temperature 25°C) |
| Temperature control mode | PID microcomputer control | PID microcomputer control | PID microcomputer control |
| $CO_2$ range | 0%-20% | 0%-20% | 0%-20% |
| $CO_2$ control accuracy | ±0.1% (5%,37°C) | ±0.1% (5%,37°C) | ±0.1% (5%,37°C) |
| $CO_2$ resolution | 0.1% | 0.1% | 0.1% |
| $CO_2$ sensor | Infrared $CO_2$ sensor with automatic compensation based on temperature and pressure, etc. | Infrared $CO_2$ sensor with automatic compensation based on temperature and pressure, etc. | Infrared $CO_2$ sensor with automatic compensation based on temperature and pressure, etc. |
| $CO_2$ control | PID microcomputer control | PID microcomputer control | PID microcomputer control |
| Humidity Control | The humidification disk naturally humidifies, and can be upgraded to a programmable cyclic damp heat test humidifier for humidification | The humidification disk naturally humidifies, and can be upgraded to a programmable cyclic damp heat test humidifier for humidification | The humidification disk naturally humidifies, and can be upgraded to a programmable cyclic damp heat test humidifier for humidification |
| Cavity material | Antibacterial stainless steel (304) | Antibacterial stainless steel (304) | Antibacterial stainless steel (304) |
| Number of partition plates | Standard configured 3 pieces | Standard configured 4 pieces | Standard configured 4 pieces |
| Dimension of inner cavity | W450 X D450 X H550mm | W540 X D560 X H580mm | W600 X D560 X H900mm |
| External dimensions | W590 X D630 X H890mm | W680 X D715 X H900mm | W730 X D715 X H1220mm |


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# Seltis

# $CO_2$ Incubator

CE ISO9001 CERTIFIED


- Microprocessor Touch Screen control with USB port for data transfer.
- Co2 recovery rate is less than 5 minutes after door opening and closing.
- Fanless design to reduce noise and contamination.
- System has an auto alarm which indicates high and low temperature, deviation of CO2 level, independent overheat protection,door ajar etc.
- System has inbuilt filter assembly of gas supply inlets.
- System has a transparent inner glass door.
- The second-generation infrared $CO_2$ sensor can automatically compensate based on the temperature and pressure, etc., with high reliability
- The dry heat sterilization system of 160°C- 180°C can completely sterilize products within 12 hrs. All parts in the box disassembled, and one-click sterilization operation is convenient
- The unique dual circulation air duct design has non-natural convection, ensuring high uniformity of temperature, do not need to be humidity and $CO_2$ concentration within the box
- Equipped with a high temperature and humidity sensor resistant to 180°C, with humidity display and air pump for dehumidification

## 4.3-inch Smart Touch Screen

4.3-inch LED smart touch screen, with temperature display accuracy of 0.1℃, can display historical temperature, humidity and $CO_2$ concentration. Intuitive control, touch sensitive operation experience, and integrated key value alarm system; for example, the incubator door opening time or gas concentration may trigger visual or audible alarm signals on the screen

## Stainless Steel Humidification Water Tray

The stainless steel humidification water tray inside the tank will not generate condensate during the process

## Flexible Fuma Casters

The standard Fuma casters are provided to cope with changes in daily use positions. After being transferred to the corresponding positions, the box can be fixed by setting casters to prevent equipment displacement during the test. And they are also easy to clean under the equipment

## Six-side Heating System

A special six-side heating system is distributed on each outdoor surface of the incubator, and efficient and high-performance heating wires provide a uniform temperature distribution for the entire incubator. The automatic dry heat sterilization at 160 - 180℃ provides a high-temperature sterilization cycle while also facilitating cleaning

## Two-layer Overlay Design

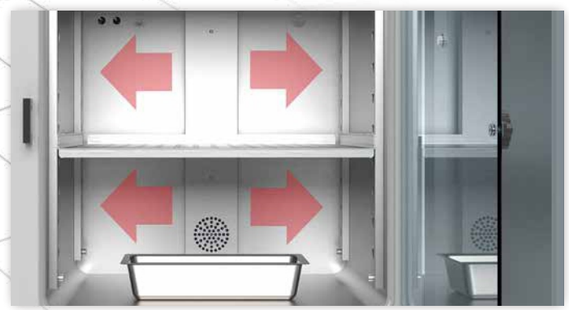
A structure that can be stacked in two layers is preset. Considering the increasing demand for laboratories in the future, the utilization of laboratory space is maximized. When purchasing again, customers are provided with optional accessories that can be stacked in two layers, thereby minimizing the occupied area of the instrument as far as possible

## Laminates Easy to Disassemble

Flexible shelf and removable storage boards allow easy access to items without having to pull them all out. The removable shelf can effectively reduce the dead angle of bacteria in the cavity, and the convenient disassembly method does not require any tools. Meanwhile, it also makes it easier for laboratory personnel to clean the inner cavity and quickly complete wiping

## Magnetic Suction Door Design

The unique closed door design ensures gas sealing of the box door while providing a convenient and quick way to open the door. The door opening and closing are not affected by high-temperature sterilization



## Horizontal Double Circulation Air Ducts

The cavity is equipped with a dual duct assisted forced air circulation system, which is designed to uniformly distribute some key environmental conditions (temperature, humidity and gas) and achieve rapid recovery consistency. The built-in fan can gently blow adjusted moist air through the entire cavity, ensuring that all cells, regardless of where they are placed, have the same environmental conditions