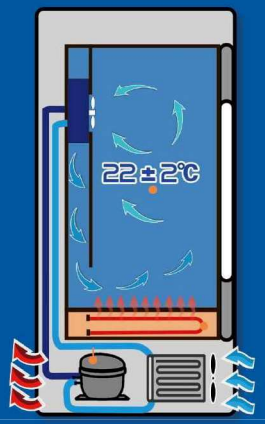
# Innovative Temperature Control

*Maintain a constant temperature of 22°C*

## Temp. Control Technology

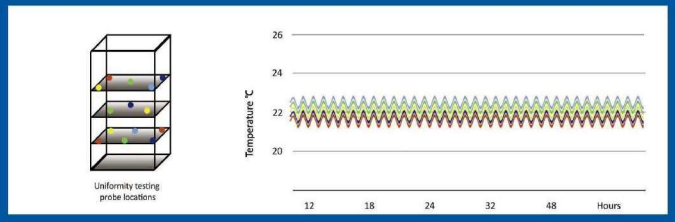
The unit features a heating device at the bottom and a refrigeration evaporator at the top. During the cooling process, the cold air sinks, while during the heating process, the hot air rises. This design ensures rapid heating or cooling, regardless of the process involved.




Air Circulation

## Ultimate Uniformity

The cabinet maintain temperatures within +/-1°C throughout the entire compartment, ensuring confidence that items are stored at the correct temperature regardless of their placement in the chamber.





## Optimized Fluctuation

Maintain superior temperature stability @ 22±2°C, avoiding rapid and significant changes in temperature. This ensures that the stored platelets are consistently stored in their optimal environment.


C309 controller

## Fast Recovery

Faster temperature recovery even after prolonged door openings. The forced-air circulation system maintains consistent temperatures, ensuring that contents are stored at the right temperature even when the unit is opened multiple times per hour.


Heating status

## Precision Contoller

- A digital microprocessor temperature controller with LCD display and alarm back up power.
- Accurately controlling the cooling or heating process to maintain a constant temperature of 22°C.
- Temperature setting range: 20°C ~ 24°C.
- The precision of display and control is 0.1°C.
- Alarms: High/low temperature, power failure, sensor error, door ajar, backup battery for 72 hours.


Cooling status

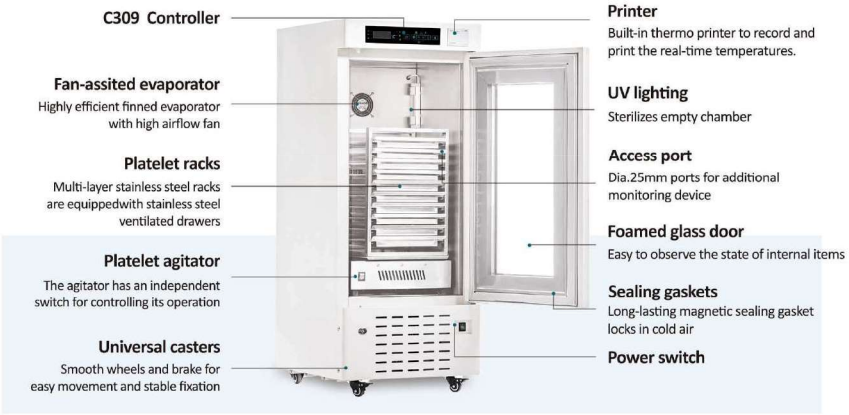
# Platelet Incubator

*Platelet storage @ 22°C ± 2°C*

SDC-5



SDC-10




SDC-10

## Ultimate insulation

The cabinet is insulated with a thick layer of high-density PU foam, effectively sealing and maintaining the internal temperature. The door, constructed with the same insulation material, is equipped with double-layer vacuum glass coated with LOW-E film that ensures secure platelet preservation while providing enhanced safety measures.

Insulated fomed glass door

## Electrically heated glass door

Fog or condensation often occurs when opening and closing the door. However, this can be easily prevented with the electrically heated glass door, which quickly evaporate any moisture.

## High quality materials

The units feature a high-quality coated cold-rolled steel exterior and stainless steel interior, offering antibacterial, anti-corrosive, and easy-to-clean properties. The agitator and racks are also constructed with stainless steel, ensuring reliability and hygiene.

Complete SS interior

**Rack layer:**
5 / 7 / 10 / 15

**Agitation speed:**
60 cycles/min (CPM)

**Horizontal amplitude :**
50 mm

## System composition

The system consists of an agitator, stainless steel racks, and stainless steel drawers. The stainless steel racks are securely attached to the agitator platform and move in sync with the agitation motion. This design helps maintain platelets in a suspended state, preventing clumping or aggregation.

## Ultra-long lifespan motors

Imported coaxial motors offer numerous advantages such as low heat generation, low power consumption, minimal noise levels, and a high reliability.

## Gentel glide rails

Imported SUS 304 stainless steel ball bearing sliders have a small gap, low noise, and can continuously operate with a maximum load of 50 kg.

# Platelet Incubator

*Specifications*




| | Model | SDC-5 | SDC-7 | SDC-10 | SDC-15 |
|---|---|---|---|---|---|
| Spesifications | Drawer QTY | 5 | 7 | 10 | 15 |
| | Cooling system | No Fronst | No Fronst | No Fronst | No Fronst |
| | Defrost | Auto | Auto | Auto | Auto |
| | Refrigerant | R134a | R134a | R134a | R134a |
| | Cooling system | Air Cooling | Air Cooling | Air Cooling | Air Cooling |
| | Noise(db) | 53 | 53 | 53 | 53 |
| | Ambient temperature (℃) | 10~32°C | 10~32°C | 10~32°C | 10~32°C |
| | Temperature range (℃) | 22°C ±2°C | 22°C ±2°C | 22°C ±2°C | 22°C ±2°C |
| Cooling system | Compressor QTY | 1 | 1 | 1 | 1 |
| | Sensor | NTC | NTC | NTC | NTC |
| | Temperature controller | Microprocessor | Microprocessor | Microprocessor | Microprocessor |
| | Display | LCD display | LCD display | LCD display | LCD display |
| Power | Voltage(V) | 187~242 | 187~242 | 187~242 | 187~242 |
| | Frequency(Hz) | 50Hz | 50Hz | 50Hz | 50Hz |
| | Power Consumption(kWh/24h) | 2.7 | 2.7 | 4.4 | 4.4 |
| | Power (W) | 197W | 197W | 280W | 280W |
| | (Current(A) | 1.3 | 1.3 | 1.5 | 1.5 |
| Materials | External material | Coated steel | Coated steel | Coated steel | Coated steel |
| | Internal material | SUS 304 | SUS 304 | SUS 304 | SUS 304 |
| | Insulation | CFC-free PURF | CFC-free PURF | CFC-free PURF | CFC-free PURF |
| Measurement | Storage Capacity (450ml blood bags) | 10 | 14 | 20 | 30 |
| | NT./GT.(kg) | 65/87 | 68/90 | 85/109 | 92/115 |
| | Exterior size(W*D*H)(mm) | 522*600*1056 | 522*600*1056 | 522*600*1305 | 522*600*1305 |
| | Interior size(W*D*H)(mm) | 427*360*467 | 427*360*467 | 432*462*728 | 432*462*728 |
| | Package size(W*D*H)(mm) | 590*710*1200 | 590*710*1200 | 590*710*1450 | 590*710*1450 |
| | Shipping CBM | 0.5 | 0.5 | 0.61 | 0.61 |
| | 20GP/40GP/40HQ | 24/48/96 | 24/48/96 | 27/60/60 | 27/60/60 |
| Alarms | High/low temperature | Y | Y | Y | Y |
| | Power failure | Y | Y | Y | Y |
| | Controller failure | Y | Y | Y | Y |
| | Sensor error | Y | Y | Y | Y |
| | Door ajar | Y | Y | Y | Y |
| | Power failure alarm (For controller) | 72 hours | 72 hours | 72 hours | 72 hours |
| Accessories | Castor | Y | Y | Y | Y |
| | leveling feet | N/A | N/A | N/A | N/A |
| | Access port | Optional | Optional | Optional | Optional |
| | USB Interface | N/A | N/A | N/A | N/A |
| | Illumination | UV lamp | UV lamp | UV lamp | UV lamp |
| | Thermal printers | Y | Y | Y | Y |
| | Remote alarm port | N/A | N/A | N/A | N/A |
| | Door type/Qty | Foamed glass/1 | Foamed glass/1 | Foamed glass/1 | Foamed glass/1 |
| | Data logger | Optional | Optional | Optional | Optional |




| | Model | | | | |
|---|---|---|---|---|---|
| Capacity | Rack layer | 5 | 7 | 10 | 15 |
| | Rack material | SUS 304 | SUS 304 | SUS 304 | SUS 304 |
| | Drawer QTY | 5 | 7 | 10 | 15 |
| | Drawer material | SUS 304 | SUS 304 | SUS 304 | SUS 304 |
| | Platelet bag(450ml) Qty | 10 | 14 | 20 | 30 |