



D180 Ordering Information

CONTRIBUTE WISDOM AND STRENGTH TO THE IMPROVEMENT OF QUALITY

| Device Options | Order no. | Description |
|---|-----------|--|
| * CO ₂ Incubator with Humidity monitoring | D180 | volume 175L; 140°C sterilization; humidity sensor; voltage 200~240VAC, 50Hz, 5A |
| CO ₂ Incubator with Humidity monitoring | D181 | volume 175L; 140°C sterilization; humidity sensor; voltage 100~120VAC, 60Hz, 10A |
| CO ₂ Incubator without Humidity monitoring | D180 | volume 175L; 140°C sterilization; without humidity sensor; voltage 200~240VAC, 50Hz, 5A |
| CO ₂ Incubator without Humidity monitoring | D181 | volume 175L; 140°C sterilization; without humidity sensor; voltage 100~120VAC, 60Hz, 10A |

Accessories

| Device Options | Order no. | Description |
|---|-----------|---|
| CO ₂ gas inlet pipe package | D180-F01 | Connect cylinders to equipment |
| Horizontal shelves with bracket | D180-F02 | Carrier for culture dishes |
| Water Pond | D180-F03 | Holding water to increase humidity |
| HEPA filter | D180-F04 | 5.5 inch HEPA filter for inner air filtration |
| High efficiency filter | D180-F05 | For air filtration at sampling port |
| Stacking racks | D180-F06 | For stacking and fixing of equipment |
| Stacking Stand with castors | D180-F07 | For supporting equipment and movement |
| CO ₂ pressure reducing valve | D180-F08 | For reducing the output pressure of CO ₂ cylinders |

RWD

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D180 CO₂ incubator

Provide A More Suitable Environment for Your Cells



D180 CO₂ incubator provides a more suitable culture environment for cells by controlling temperature, CO₂ concentration precisely and by maintaining a high relative humidity (rH). It is an indispensable cell culture tool in the fields of stem cell research, immunology research, neurobiology research and cancer research.

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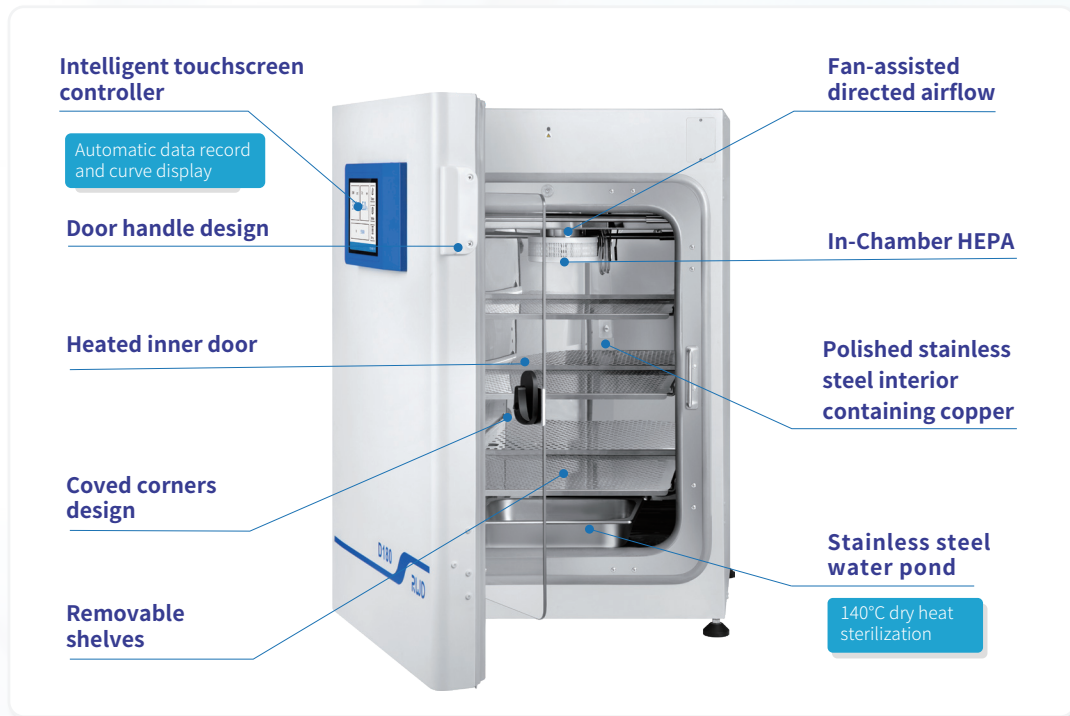
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D180 CO₂ incubator

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Product Features

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Stable environment for cell culture

- Accurate IR sensor monitors the CO₂ concentration change
- Six-sided air jacket heating system ensures fast heating
- Optional humidity probe to monitor real-time humidity changes

Contamination control of inner chamber

- High efficient sterilization by 140°C dry heat
- In-chamber HEPA to filter the microorganism
- Easy cleaning with coved corners and removable shelves design

Intelligent operation

- 7-inch touchscreen controller for real-time display
- Automatic data record of 7 days curve display
- External USB port for fast and convenient data export

Multiple alarm system

- Internal and external door open overtime alarm
- Abnormal inner cavity core parameters alarm
- High temperature sterilization over temperature alarm

Convenient and flexible design

- Handle design enables a comfortable door opening
- Optional bracket with casters for convenient moving of the chamber
- Less consumables in cavity for easy cleaning

Technical Parameters

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| | | |
|-------------------------------|--------------------------|--|
| Temperature | Control & Range | ±0.1°C@ 37°C, 5°C above ambient to 50°C |
| | Heating Method | Air jacket |
| | Uniformity | ±0.3°C @ 37°C |
| | Alarm Setting | Customized, Upper limit: (T+0.1) ~ (T+5.0); Lower limit: (T-0.1) ~ (T-5.0) |
| | Sensor | Pt1000 Platinum thermistor |
| | Controller | PID |
| | Readability & Setability | 0.1°C |
| CO ₂ Concentration | Sterilization Method | 140°C dry heat sterilization |
| | Control & Range | ±0.1%@5%, 0-20% |
| | Sensor | Heat-resistant infrared (IR) sensor |
| | Inlet Pressure | 1.0 bar (recommended) |
| | Uniformity | ±0.3% |
| Humidity | Readability & Setability | 0.10% |
| | Alarm Setting | Customized, Upper limit: (C+0.1) ~ (C+1.0); Lower limit: (C-0.1) ~ (C-5.0) |
| Shelves | Water Pond Volume | ~3.8 L |
| | Display | 1% RH |
| Size & Weight | Dimensions | 48.7×46.1 cm |
| | Surface Area | 224.5 cm ² |
| | Number (Standard & Max) | 3 ; 16 |
| | Interior Volume | 175 L |
| | Interior Dimensions | 51.0(W)×54.7(D)×67.5(H) cm |
| | Exterior Dimensions | 69.5(W)×67.0(D)×97.0(H) cm |
| | Net Weight | 110 kg |



Stainless steel liner & water pond



High efficiency filtration system