



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 Life Science Inc.

Add: 6540 Lusk Blvd, Suite C161 San Diego, CA 92121

Tech support: service@rwdstco.com

Tel: 1-858-900-5879

RWD Life Science Co.,Ltd

Add: 19-20/F, Building 7A, Shenzhen International Innovation Valley

Dashi 1st Road, Nanshan District, Shenzhen, Guangdong, China

Web: www.rwdstco.com E-mail: rwd@rwdstco.com

RWD

D180 CO₂ incubator

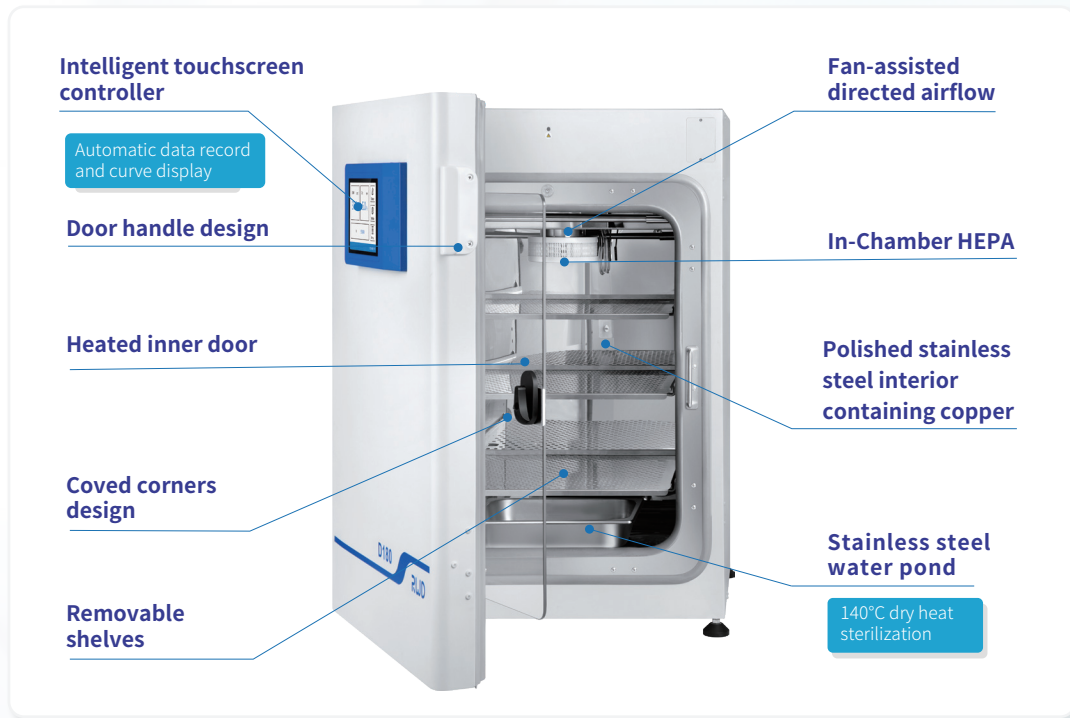
Provide A More Suitable Environment for Your Cells



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.

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