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PRODUCT BROCHURE

Anaerobic Incubators

ICB-AN2



Features

- This workstation integrates CO₂, constant temperature and humidity.
- It can operate as an anaerobic or micro-oxygen chamber (oxygen concentration: 0~10%).
- Fully automatic humidity control system to avoid drying of the Petri dishes.
- Sample transfer: can transfer 40 pcs of 90mm plates at a time, single dish transfer device is optional.
- Available with automatic sleeve gassing system operated by foot-switch, so you can control vacuum and Nitrogen gas filling efficiently. Equipped with standard external vacuum pump.
- UV lamp for sterilization.
- It can perform CO₂, humidity and temperature control.
- Latex gloves for comfortable and flexible operation.

- Using high-efficiency palladium catalyst to keep the oxygen concentration less than 0.1% without frequent activation.
- Full-automatic control for gas replacement path, with positive pressure and negative pressure protection.
- Unique oil bottle type pressure relief design, protects internal positive pressure and prevents air leakage.
- With a number of low pressure, over temperature protection devices.

- The whole front cover can be lifted off for placing large instruments or thorough cleaning.
- Equipped with standard power socket.
- Touch screen directly displays the oxygen percentage of the operating room, easy for observation.
- Bare-hand operating system is optional. Ensure comfortable operation with no skin allergies.

Specification

Model	ICB-AN2
Time for Creating Anaerobic State in Sample Chamber	< 5 minutes
Time for Creating Anaerobic State in Operation Chamber	< 1h
Anaerobic Environment Maintenance Time	> 12hrs (when no supply of mixed gas)
Temperature Range	RT+3~60 °C
Temperature Stability	< ±0.3 °C
Temperature Uniformity	< ±1 °C
CO ₂ Range	0 ~ 20%
CO ₂ Control Accuracy	±0.1% (imported sensor)
Humidity Control Range	50~90%RH
Humidity Fluctuation	±3%RH
Power Rating	1500W
Power Supply	AC 220V, 50Hz (can customized)
Interior Chamber Size (W×D×H)cm	42×29×47.5
Operation Chamber Size (W×D×H)cm	95×67×75
Sampling Chamber size (W×D×H)cm	40×30×32
Shell Material	All 304 stainless steel

Anaerobic Incubators

ICB-AN3



Features

- Microprocessor controller, large color touch screen, accurately control the temperature and gas in incubator, easy operation.
- The system adopts high precision temperature sensors, oxygen sensor, temperature control module and analog module to ensure high accuracy, good stability and high security, real-time monitoring of process data.
- UV Sterilizer, effectively prevent bacterial contamination.
- Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.
- Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.
- Operation room is equipped with deoxidization catalyst.
- The operating room is equipped with special inoculating rod sterilizer and wax melting disinfection device.

<>

The incubator is designed with a double widen door, it can put more petri dishes.

O₂

Imported oxygen sensors can observe oxygen concentration in the operating room at any time.

+

Equipped with leakage protection.

USB

With USB interface, store 6 months of data.

Specification

Model	ICB-AN3
Time for Creating Anaerobic State in Sample Chamber	< 5 minutes
Time for Creating Anaerobic State in Operation Chamber	< 1 h
Anaerobic Environment Maintenance Time	> 12 hrs (when no supply of mixed gas)
Temperature Range	RT+3~60 ℃
Temperature Stability	< ±0.3 ℃
Temperature Uniformity	< ±1 ℃
Display Resolution	0.1℃
Timing Range	1~9999mins
Power Rating	600W
Power Supply	AC 220V, 50Hz
Net/Gross Weight(kg)	240/320
Interior Chamber Size(W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size(W×D×H)cm	139×92×156

Anaerobic Incubators

ICB-AN3-B



Features

Equipped with large LCD screen display,high-precision microcomputer control (with timing function), it can accurately and visually reflect the actual temperature inside the incubator, over heating alarm adopted, safe and reliable.

Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.

Equipped with leakage protection.

UV Sterilizer, effectively prevent bacterial contamination.

Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.

Operation room is equipped with deoxidization catalyst.

The incubator is designed with a double widen door, It can put more petri dishes.

Specification

Model	ICB-AN3-B
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	<1hr
Anaerobic environment maintenance time	>12hrs(when no supply of mixed gas)
Temperature Range	RT+3~60℃
Temperature Stability	<±0.3℃
Temperature Uniformity	<±1℃
Display Resolution	0.1℃
Timing Range	1~9999min
Power Rating	600W
Power Supply	AC 220V,50HZ
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size (W×D×H)cm	139×92×90

Anaerobic Incubators

ICB-AN3-BP



Features

Equipped with large LCD screen display,high-precision microcomputer control (with timing function), it can accurately and visually reflect the actual temperature inside the incubator, over heating alarm adopted, safe and reliable.

Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.

Equipped with leakage protection.

UV Sterilizer, effectively prevent bacterial contamination.

Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.

Operation room is equipped with deoxidization catalyst.

The incubator is designed with a double widen door, It can put more petri dishes.

Specification

Model	ICB-AN3-BP
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	<1hr
Anaerobic environment maintenance time	>12hrs(when no supply of mixed gas)
Temperature Range	RT+3~60 ℃
Temperature Stability	<±0.3 ℃
Temperature Uniformity	<±1 ℃
Display Resolution	0.1℃
Timing Range	1~9999min
Power Rating	1200W
Power Supply	AC 220V,50HZ
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×72
Package Size (W×D×H)cm	139×92×90

Anaerobic Incubators

ICB-AN3E



Features

Equipped with large LCD screen display,high-precision microcomputer control (with timing function), it can accurately and visually reflect the actual temperature inside the incubator, over heating alarm adopted, safe and reliable.

Stainless steel cultivation and operation room, transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.

Equipped with leakage protection.

UV Sterilizer, effectively prevent bacterial contamination.

Switch control for solenoid valve, it can accurately adjust the flow and input any necessary gas.

Operation room is equipped with deoxidization catalyst.

The incubator is designed with a double widen door, It can put more petri dishes.

Specification

Model	ICB-AN3E
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1hr
Anaerobic environment maintenance time	> 12hrs (when no supply of mixed gas)
Temperature Range	RT+3~60 °C
Temperature Stability	< ±0.3 °C
Temperature Uniformity	< ±1 °C
Display Resolution	0.1 °C
Timing Range	1~9999mins
Power Rating	600W
Power Supply	AC 220V, 50Hz
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size (W×D×H)cm	139×92×156

Anaerobic Incubators

ICB-AN3P



Features

- Equipped with large color touch screen, easy operation
- With imported oxygen sensor and high precision temperature sensor to ensure accuracy, good stability and high security.
- Automatic control for gas replacement.
- Unique oil bottle type pressure relief design, protects internal positive pressure and prevents air leakage.
- Stainless steel cultivation and operation room,transparent impact-resistant glass front window for easy observation. Latex gloves are comfortable and reliable, easy to use.
- Unique track design for sample transmit, easy operation
- Sample transfer: can transfer 40 pcs of 90mm plates at a time.
- Equipped with leakage protection.
- The operating room is equipped with special inoculating rod sterilizer and wax melting disinfection device.

- UV Sterilizer, effectively prevent bacterial contamination.
- With USB interface, store 6 months of data.
- Operation room is equipped with deoxidization catalyst.
- Microprocessor controller, accurately control the temperature and gas in incubator.

Specification

Model	ICB-AN3P
Time for creating anaerobic state in sample chamber	< 5 minutes
Time for creating anaerobic state in operation chamber	< 1hr
Anaerobic environment maintenance time	> 12hrs (when no supply of mixed gas)
Temperature Range	RT+3~60 °C
Temperature Stability	< ±0.3 °C
Temperature Uniformity	< ±1 °C
Display Resolution	0.1 °C
Timing Range	1~9999mins
Power Rating	600W
Power Supply	AC 220V, 50Hz
Net/Gross Weight (kg)	240/320
Interior Chamber Size (W×D×H)cm	30×19×29
Operation Chamber Size (W×D×H)cm	82×66×67
Exterior Size (W×D×H)cm	126×73×138
Package Size (W×D×H)cm	139×92×156

Anaerobic Incubators

ICB-AN3P-20



Features

- Equipped with large touch screen, high precision PLC controller and sensor, good stability, reliable and easy operation.
- Special made transparent impact resistant window, which can clearly and directly observe the indoor operation.
- Removable front cover, easy for placing instrument inside and cleaning.
- UV lamp for sterilization.
- Equipped with light and power socket.
- Using high-efficiency palladium catalyst to keep the oxygen concentration without frequent activation.
- Automatic vacuum pumping and pressure maintaining for sampling and aisle room.
- Sample transfer: 40 pcs of 90mm plates can be transferred at a time
- Unique oil bottle type pressure relief design, protects internal positive pressure and prevents air leakage.
- Adopt oil free vacuum pump.

- Full-automatic control for gas replacement in operation room, with positive pressure and negative pressure protection.
- With USB interface, store 6 months of data.
- Equipped with leakage protection.
- Adopt imported oxygen sensor, oxygen concentration directly displayed on the touch screen, convenient for observation.

Specification

Model	ICB-AN3P-20
Temperature Range	RT+3~60 ℃
Temperature Stability	< ±3 ℃
Temperature Uniformity	< ±0.3 ℃
Anaerobic Level	Operation room<5ppm
Time for Creating Anaerobic State in Sample Chamber	<10 minutes
Anaerobic Status Creating	Vacuum+air replacement (N2+mixed gas)
Time for Creating Anaerobic State in Operation Chamber	<70 minutes
Anaerobic Environment Maintenance Time	>13 hrs(when no supply of mixed gas)
Air Replacement	Automatic
Interior Chamber Size (W×D×H)cm	42×30×50
Sample Room Size (W×D×H)cm	40×33×32
Sample Room Channel Size (W×H)cm	27.5×29.5
Operation Chamber Size (W×D×H)cm	95×68×75
Exterior Size(W×D×H)cm	140×73×137
Package Size (W×D×H)cm	154×87×155