

# CO2 INCUBATOR AIR JACKETED



# CO2 INCUBATOR AIR JACKETED

Precise management of temperature and CO2 provides an exceptionally stable environment, it is easy to maintain precise time/date stamped records of all incubator functions as often as necessary and adopts door heating control system. It is majorly used in issue engineering, mammalian cell research, tissue culturing and oncology studies. Used in Cell Culturing, Tissue culturing, Tissue Engineering, Vitro fertilization, Mammalian cell research, Oncology studies..

Also known as Laboratory CO2 Incubator Air Jacketed.

## INC95 CO2 INCUBATOR AIR JACKETED

- 151 liters internal volume
- Zironuim oxide Sensor
- IR CO2 sensor
- Water Level Alarm
- Integrated electric siphon pump
- Auto-zero
- Temperature deviation (at 37° C)
- Moist-heat disinfection at 90°C
- Relative humidity  $\geq 95\%$



### SPECIFICATIONS

Model	INC95-151IR	INC95-151TCD
Capacity	151 L	
Temperature Range	Amb. +2 to 55°C	
Temperature Accuracy	$< \pm 0.1^\circ\text{C}$	
Temperature recovery Time	$\leq 7$ mins(After 30 sec. Door opening)	
CO2 Range	0~20%	
CO2 Accuracy	$\pm 0.1$	
CO2 Sensor	IR	TCD
Humidity Range	$\geq 95\% \pm 3\%$	
Interior	Stainless steel, type 304	
Temperature Sensors	PT1000	
Internal Dimention (WxDxH)	470×530×607 mm	
Overall Dimension (WxDxH)	637×768×869 mm	
Shelves/Trays	3 standard, 10 maximum	
Shelf Dimension(WxD)	423×445 mm	
Max. Load per Shelf	10 kg	
CO2 control system	Microprocessor PID	
Weight	80 kg	
Power	$\leq 650$ VA+10%	
Power Supply	220 V $\pm 10\%$ / 50 Hz	

## ACCESSORIES

Accessory Code	Name	Description	3 Sets	1 Set
LS53974	Standard shelf		3 Sets	
LS53998	CO2 steel cylinder auto-switch device			1 Set

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53650	Air connector	
LS53662	Shelf support	
LS53686	Small HEPA filter	
LS53758	CO2 regulator	
LS53794	Shelf	



INC95-151IR



INC95-151TCD

## INC94-240 AIR JACKETED CO2 INCUBATOR

- 151 liters internal volume
- Zirconium oxide Sensor
- IR CO2 sensor
- Water Level Alarm
- Integrated electric siphon pump
- Auto-zero
- Temperature deviation (at 37° C)
- Moist-heat disinfection at 90°C
- Relative humidity  $\geq 95\%$



## SPECIFICATIONS

Model	INC94-240
Capacity	240 L
Temperature Range	5°C above ambient temperature to 50°C
Temperature Stability	$\pm 0.1^\circ\text{C}$
Temperature Uniformity	$\pm 0.2^\circ\text{C}$
CO2 Range	0-20%
CO2 Stability	$\pm 0.1\%$

CO2 Sensor	Thermal Conductivity
CO2 Inlet Pressure	0.1 Mpa
Filter	0.3 um, Efficiency:99.998% (for CO2)
Access Port	Standard
Remote alarm contacts	Standard
Relative Humidity	≥ 95%
Humidifying System	Special designed water reservoir
Water reservoir volume	3 L
Inner Door	6 inner doors standard
Interior	Type 304, mirror finish, stainless steel
Exterior	Electrolyzed galvanization steel, powder coated
Temperature Sensors	PT1000
Internal Dimension (WxDxH)	607x580x670 mm
Overall Dimension (WxDxH)	780x820x944 mm
Shelves/Trays	3 standard, 12 maximum
Half-size shelves	6
Shelf Dimension(WxD)	423x445 mm
Temperature control method	Microprocessor
CO2 control system	Microprocessor
Alarm System	Power interruption, High/Low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection
Weight	80 kg
Data Output	RS232
De-contamination	90°C moist heat disinfection
Power	735 W
Power Supply	AC-220 V/AC 110 V 50/60 Hz

## ACCESSORIES

Accessory Code	Name	Description	3 Sets	1 Set
LS53974	Standard shelf		3 Sets	
LS53986	Electric siphon pump			1 Set

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53650	Air connector	
LS53674	Electric siphon pump	
LS53710	Small CO2 inlet filter	
LS53734	Half-size shelf	Including :shelfx1, shelf supportx2
LS53758	CO2 regulator	

Accessory Code	Name	Description
LS53842	Shelf	Including :shelfx1, shelf supportx2
LS53854	Floor stand for 2 stacked incubators	High 200 mm without castor
LS53914	Floor stand for 1 incubator	High 600 mm with castor
LS53950	4 in 1 CO2 steel cylinder auto-switch device	
LS53962	CO2 steel cylinder auto-switch device	

# INC91 AIR JACKETED CO2 INCUBATOR

- Microcomputer intelligent PID control
- Equipped with UV lamp
- Unique air circulation
- Adopt door heating control system
- Double door design



## SPECIFICATIONS

Model	INC91-080	INC91-160
Capacity	80 L	160 L
Temperature Range	RT +5-60°C	
Temperature Accuracy	±1°C	
Temperature Fluctuation	±0.5%	
CO2 Range	0~20%	
CO2 Recovery Time	≤concentration x 1.2 min	
Filter	0.3um, Efficiency:99.998% (for CO2)	
Sterilization	UV lamp	90°C moist heat decontamination
Heating method	Direct Heat & Air Jacket (DHA)	
Relative Humidity	≥ 95%	
Water Reservoir Volume	6 L	3 L
Humidifying Method	Special designed water reservoir	
Jacket Type	Air jacket type	
Inner door	one inner door standard	6 mini inner doors optional
Internal Dimension (WxDxH)	500x400x400 mm	650x550x500 mm
Overall Dimension (WxDxH)	835x550x550 mm	985x700x650 mm
Shelves	2	
Weight	36 kg	57 kg
Power	350 W	550 W
Power Supply	220V	



INC91-080



INC91-160

# INC92 AIR JACKETED CO2 INCUBATOR

Forced Convection

Inner material: SUS304 stainless steel

ALLHEAT™: Chamber Preheating Technology

ALLFLOW™: Clean Air Circulation System

ALLSENSTM: Programmable PID Controller



## SPECIFICATIONS

Model	INC92-080	INC92-160
Capacity	80 L	160 L
Temperature Range	RT+5~55°C	
Ambient Temperature	10~30°C	
Temperature Accuracy	0.1°C	
Temperature Fluctuation	±0.5 at 37°C	
Temperature Uniformity	±0.8 at 37°C	
Temperature Recovery Time	(after 30 seconds door opening to 37°C) ≤ 8 min	
Ambient Humidity	<70%	
CO2 Range	0~20%	
CO2 Sensor	IR sensor (±0.1%)	
CO2 Recovery Time	(after 30 seconds door opening to 5%) ≤ 2 min	
Filter	None	
Humidifying Method	Natural Evaporation	
Jacket Type	Water Jacketed	
Internal Dimension (WxDxH)	500x400x400 mm	650x460x540 mm
Overall Dimension (WxDxH)	755x550x547 mm	650x460x540 mm
Shelves	2	3
Weight	35 kg	55 kg
Power	500 W	650 W
Power Supply	Single phase AC220V/50Hz	



INC92-080



INC92-160

# INC91-151 AIR JACKETED CO2 INCUBATOR

- 151 liters internal volume
- Zirconium oxide Sensor
- IR CO2 sensor
- Water Level Alarm
- Integrated electric siphon pump
- Auto-zero
- Temperature deviation (at 37° C)
- Moist-heat disinfection at 90°C
- Relative humidity ≥95%



## SPECIFICATIONS

Model	INC91-151
Capacity	151 L
Temperature Range	5°C above ambient temperature to 50°C
Temperature Stability	±0.1°C
Temperature Uniformity	±0.2°C
CO2 Range	0-20%
CO2 Stability	±0.1%
CO2 Sensor	Thermal Conductivity
CO2 Inlet Pressure	0.1 Mpa
Filter	0.3 um, Efficiency:99.998% (for CO2)
Access Port	Optional
Remote alarm contacts	Standard
Relative Humidity	≥ 95%
Humidifying System	Special designed water reservoir
Water reservoir volume	4 L
Inner Door	one inner door standard
Interior	Type 304, mirror finish, stainless steel
Exterior	Electrolyzed galvanization steel, powder coated
Temperature Sensors	PT1000
Internal Dimension (WxDxH)	470×530×607 mm
Overall Dimension (WxDxH)	615x768x865 mm
Shelves/Trays	3 standard, 10 maximum
Shelf Dimension(WxD)	423×445 mm
Temperature control method	Microprocessor
CO2 control system	Microprocessor
Alarm System	Power interruption, High/Low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection
Weight	75 kg
De-contamination	UV lamp
Power	600 W
Power Supply	AC-220 V/AC 110 V 50/60 Hz

## ACCESSORIES

Accessory Code	Name	Description	3 Sets	1 Set
LS53974	Standard shelf		3 Sets	
LS53986	Electric siphon pump			1 Set

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53650	Air connector	
LS53674	Electric siphon pump	
LS53710	Small CO2 inlet filter	
LS53746	UV light	
LS53758	CO2 regulator	

Accessory Code	Name	Description
LS53818	Shelf	Including: shelfx1, shelf supportx2
LS53878	Floor stand for 2 stacked incubators	585x637x200 mm
LS53902	Floor stand for 1 incubator	585x637x400 mm
LS53950	4 in 1 CO2 steel cylinder auto-switch device	
LS53962	CO2 steel cylinder auto-switch device	

## INC92-151 AIR JACKETED CO2 INCUBATOR

- 151 liters internal volume
- Zirconium oxide Sensor
- IR CO2 sensor
- Water Level Alarm
- Integrated electric siphon pump
- Auto-zero
- Temperature deviation (at 37° C)
- Moist-heat disinfection at 90°C
- Relative humidity ≥95%



## SPECIFICATIONS

Model	INC92-151
Capacity	151 L
Temperature Range	5°C above ambient temperature to 50°C
Temperature Stability	±0.1°C
Temperature Uniformity	±0.2°C
CO2 Range	0-20%
CO2 Stability	±0.1%
CO2 Sensor	Thermal Conductivity
CO2 Inlet Pressure	0.1 Mpa
Filter	0.3 um, Efficiency:99.998% (for CO2)
Access Port	Standard
Remote alarm contacts	Standard



Relative Humidity	≥ 95%
Humidifying System	Special designed water reservoir
Water reservoir volume	3 L
Inner Door	3 inner doors standard
Interior	Type 304, mirror finish, stainless steel
Exterior	Electrolyzed galvanization steel, powder coated
Temperature Sensors	PT1000
Internal Dimension (WxDxH)	470×530×607 mm
Overall Dimension (WxDxH)	637x762x909 mm
Shelves/Trays	3 standard, 10 maximum
Shelf Dimension(WxD)	423×445 mm
Temperature control method	Microprocessor
CO2 control system	Microprocessor
Alarm System	Power interruption, High/Low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection
Weight	80 kg
Data Output	RS232
De-contamination	90°C moist heat disinfection
Power	600 W
Power Supply	AC-220 V/AC 110 V 50/60 Hz

## ACCESSORIES

Accessory Code	Name	Description	3 Sets	1 Set
LS53974	Standard shelf		3 Sets	
LS53986	Electric siphon pump			1 Set

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53650	Air connector	
LS53674	Electric siphon pump	
LS53710	Small CO2 inlet filter	
LS53746	UV light	
LS53758	CO2 regulator	

Accessory Code	Name	Description
LS53818	Shelf	Including: shelfx1, shelf supportx2
LS53878	Floor stand for 2 stacked incubators	585x637x200 mm
LS53902	Floor stand for 1 incubator	585x637x400 mm
LS53950	4 in 1 CO2 steel cylinder auto-switch device	
LS53962	CO2 steel cylinder auto-switch device	

# INC93-212 AIR JACKETED CO2 INCUBATOR

- 151 liters internal volume
- Zirconium oxide Sensor
- IR CO2 sensor
- Water Level Alarm
- Integrated electric siphon pump
- Auto-zero
- Temperature deviation (at 37° C)
- Moist-heat disinfection at 90°C
- Relative humidity ≥95%



## SPECIFICATIONS

Model	INC93-212
Capacity	212 L
Temperature Range	5°C above ambient temperature to 50°C
Temperature Stability	±0.1°C
Temperature Uniformity	±0.3°C
CO2 Range	0-20%
CO2 Stability	±0.1%
CO2 Sensor	Thermal Conductivity
CO2 Inlet Pressure	0.1 Mpa
Filter	0.3 um, Efficiency:99.998% (for CO2)
Access Port	Optional
Remote alarm contacts	Standard
Relative Humidity	≥ 95%
Humidifying System	Special designed water reservoir
Water reservoir volume	6 L
Inner Door	one inner door standard
Interior	Type 304, mirror finish, stainless steel
Exterior	Electrolyzed galvanization steel, powder coated
Temperature Sensors	PT1000
Internal Dimension (WxDxH)	600x588x600 mm
Overall Dimension (WxDxH)	910x763x795 mm
Shelves/Trays	3 standard, 12 maximum
Shelf Dimension(WxD)	590x510 mm
Temperature control method	Microprocessor
CO2 control system	Microprocessor
Alarm System	Power interruption, High/Low temperature, Deviation of CO2, RH, Door ajar, Independent overheat protection
Weight	95 kg
De-contamination	UV lamp
Power	700 W
Power Supply	AC-220 V/AC 110 V 50/60 Hz

## ACCESSORIES

Accessory Code	Name	Description	3 Sets	1 Set
LS53974	Standard shelf		3 Sets	
LS53986	Electric siphon pump			1 Set

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS53674	Electric siphon pump	
LS53710	Small CO2 inlet filter	
LS53650	Air connector	
LS53758	CO2 regulator	
LS53770	UV light	

Accessory Code	Name	Description
LS53842	Shelf	Including :shelfx1, shelf supportx2
LS53890	Floor stand for 2 stacked incubators	910x665x200 mm
LS53926	Floor stand for 1 incubator	910x665x490 mm
LS53950	4 in 1 CO2 steel cylinder auto-switch device	
LS53962	CO2 steel cylinder auto-switch device	

# ***Centrifugen***

## **Centrifugen**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA  
Email: [info@centrifugen.com](mailto:info@centrifugen.com) | Website: [centrifugen.com](http://centrifugen.com)