

Water Jacketed

CO₂

I N C U B A T O R



**LWJI
SERIES**



Water Jacketed CO2 Incubator LWJI-A series

Microprocessor PID controlled CO2 Incubator ensures optimum environment for cell and tissue culture growth. It is made up of corrosion resistant stainless steel and provides protection against over temperature and current leakage. These CO2 Incubator delivers a higher level of performance for a dependable and reliable in-vitro growth environment through water jacket that provides true temperature uniformity and CO2 gas control. This incubator features unsurpassed temperature stability and superior parameter recovery.

Features:

- Water jacket type
- Microprocessor PID controller/Programmable controller
- LED display
- Timer alarm, auto tuning, over temperature and current protection system for user safety
- Tempered safety glass with magnetic packing
- Made of stainless steel and powder coated steel plate
- Auto temperature compensation and auto sensor calibration



Application:

These CO2 Incubator are widely used for a broad range of applications that includes:

- Tissue engineering
- In vitro fertilization
- Neuroscience
- Cancer research
- Stem cell research
- Regenerative medicine
- Mammalian cell research

Specifications:

Model	LWJI-A10	LWJI-A11	LWJI-A12	LWJI-A13
Capacity	49 Litres	101 Litres	150 Litres	324 Litres
Internal Dimension	350x360x405 mm	450x450x500 mm	495x515x600 mm	600x600x900 mm
Overall Dimension	500x495x785 mm	600x600x900 mm	660x645x1010 mm	750x745x1250 mm
Weight	55kg	95kg	130kg	185kg
Circulation	Natural Convection		Circulation Fan	
Jacket Type	Water Jacketed			
Temperature Range	Ambient +5°C to 60°C			
Temperature Accuracy	± 0.2 at 37°C			
CO2 Range	0 to 20%			
CO2 Accuracy	± 0.1% at 37°C			
Sensor	Digital NDIR Sensor			
Device Safety	Over Temperature safety, Leakage breaker & Alarm Function			
Power Supply	AC 220V, 50/60Hz			

Water-Jacketed CO2 Incubator LWJI-B Series

Our water-jacket incubators are equipped with microprocessor-based PID controller which provides a precisely controlled, accurate and uniform environment throughout the culturing process. These CO2 incubators have separate temperature limiting alarm system for safe usage. These are user friendly designs with inner glass door for easy operations.

Features:

- Water jacket type incubator
- Microprocessor-based PID controller with timing function
- Equipped with inner glass door for easy operation
- Separate temperature-limiting alarm system for safe usage
- Options such as Printer connector and RS485 connector are available to connect printer and computer for data recording

Application:

These Water-jacketed incubators has applications in scientific research field for cell cultivation, seedling, etc.



Optional Accessories

- Intelligent programmable temperature controller
- Printer
- Independent temperature-limiting Alarm system
- RS485 connector

Specifications:

Model	LWJI-B10	LWJI-B11	LWJI-B12	LWJI-B13
Capacity	50L	80L	160L	270L
Shelves	2(pcs)			
Display Resolution	0.1℃			
Heating Method	Water Temperature			
Temperature Range	RT+5~65℃			
Ambient Temperature	+5~35℃			
Timing Range	1~9999min			
Interior Dimension (W×D×H, mm)	350×350×410	400×400×500	500×500×650	600×600×750
Exterior Dimension (W×D×H, mm)	500×500×700	550×550×800	650×640×950	750×740×1050
Power Consumption	450W	650W	850W	1350W
Power	220V 50HZ			



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