



# Anaerobic Incubator

## LAI-B10

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Anaerobic Incubator LAI-B10 with LCD display can be operated as anaerobic or micro-oxygen chamber. Equipped with automatic humidity control system, automatic sleeve gassing system operated by foot-switch to control vacuum and nitrogen gas filling, external vacuum pump, and power socket. Designed with 304 stainless steel shell material and transparent, shockproof special glass lifting front door. Anaerobic environment is generated within 5 minutes in sampling chamber and less than 1 hour in operating chamber which brings down the oxygen concentration to  $\leq 1\%$ . High efficiency palladium catalyst to keep oxygen concentration  $< 0.1\%$ . Strict anaerobic and thermostat environment provides systematic and scientific area.

## Features

- Microprocessor intelligent temperature control system
- UV lamp for effective sterilization
- Operates as an anaerobic or micro-oxygen chamber
- Automatic humidity control system
- Sample transfer: 40 pcs of 90 mm plates at a time
- Adjustable gas flow for different gas inlet
- Automatic sleeve gassing system operated by foot switch
- High efficiency palladium catalyst to keep oxygen concentration  $< 0.1\%$
- High precision gas checking and temperature control
- Transparent, shockproof special glass lifting front door
- Provides strict anaerobic and thermostatic environment
- Latex gloves for a comfortable and flexible operation
- Control for gas replacement path with positive pressure and negative pressure protection
- Perform CO<sub>2</sub>, humidity and temperature control
- Equipped with external vacuum pump, power socket
- Gas leakage protection

## Applications:

Used in medical, research institutes for inspection, microbiological examination and research of pathogenic anaerobic bacteria, brewing of food hygiene, other hypoxia, micro aerobic and oxygen free environment. It can cultivate most difficult anaerobic microbe and avoid risk of microbe death due to oxygen.

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## Specifications:

<b>Model No</b>	<b>LAI-B10</b>
Time for creating anaerobic state in sample chamber	< 5 min
Time for creating anaerobic state in operation chamber	< 1 hour (Oxygen concentration $\leq$ 1%)
Anaerobic environment maintenance time	> 12 h (when no supply of mixed gas)
Range of temperature control in incubation chamber	RT + 3°C to 60°C
Temperature stability in incubation chamber	< $\pm$ 0.3°C
Temperature uniformity in incubation chamber	< $\pm$ 1°C
CO <sub>2</sub> range	0 to 20 %
CO <sub>2</sub> control accuracy	$\pm$ 0.1 % (sensor)
Humidity control range	50 to 90 % RH
Humidity fluctuation	$\pm$ 3 % RH
Shell material	304 stainless steel
Display	LCD display
Power	1500 W
Power supply	AC 220 V, 50 Hz
Internal chamber dimension (W × D × H)	420 × 290 × 475 mm
Operation chamber dimension (W × D × H)	950 × 670 × 750 mm
Sampling chamber dimension (W × D × H)	400 × 300 × 320 mm
Gross weight	320 kg