



# DRY BATH INCUBATOR

## Dry Bath Incubator LDBI-100

Labocon Dry Bath Incubator LDBI-100 Series is designed for applications that require precise temperature control and stability. They provide safe, compact, dry heat for a wide variety of clinical and general chemistry applications. The microprocessor controlled device is specially designed to accommodate a variety of interchangeable heating block modules, PCR tubes, microplates, etc., which ensures uniform heat transfer.



### Features:

- Compact design with stable operation
- Microprocessor controlled incubation temperature and time
- Simultaneous display of set temperature and time
- Built in temperature calibration function
- Rapid heat up, uniform heating, high stability, low energy consumption and noise
- Automatic fault detection and buzzer alarm function
- Audio alarm indicates program completion
- Aluminium blocks ensure even heat distribution, eliminating the possibility of heater burn-out
- Easy cleaning, replacement and disinfection of metal blocks
- Over temperature protection device
- Custom blocks available to meet experimental requirement

### Application:

Labocon Dry Bath Incubator is suitable for a variety of applications including sample cultivation, preservation and reaction, DNA amplification, restriction digestion, pre-degradation of electrophoresis and solidification, coagulation studies, in situ hybridization, etc. in pharmaceutical, chemical, food safety, environment and quality inspection.

## Dry Bath Incubator LDBI-100

### Specification:

Model	LDBI-101	LDBI-102	LDBI-103	LDBI-104	LDBI-105
Temp. Range	RT +5-100°C	RT +5-150°C		RT +5-120°C	-10-100°C
Max Temp.	100°C	150°C		120°C	100°C
Temp. Accuracy	≤±0.5°C	≤±0.5°C (40-100°C) ≤±1°C (100-150°C)			≤±0.5°C
Temp. Fluctuation	±0.3°C	≤±0.5°C			±0.3°C
Temp. Uniformity	≤±0.3°C	≤±0.5°C			≤±0.3°C
Temp. Resolution	0.1°C				
Time for Heating	≤15min (20°C to 100°C)	≤30min (20°Cto 150°C)		≤30min (20°C to 120°C)	≤15min (20°C to 100°C)
Time for Cooling	No cooling function				≤20min(RT to RT-25°C; if RT is lower 30°C) ≤30min(RT to RT-30°C; if RT is lower 25°C)
Timer Range	99h 59min				
Display	LCD	LED			LCD
Blocks	1		2	4	1
Dimension	270x190x170 mm	230x200x90 mm	260x220x90 mm	360x220x90 mm	270x190x170 mm
Power	150W	200W	400W	600W	150W
Power Supply	220 V, 60 Hz				
Weight	2.2kg	4.5kg			2.2kg
Catalog No.	9341223344	9341224344	9341225344	9341226344	9341227344

## Dry Bath Incubator LDBI-100

### Accessories for LDBI-101, LDBI-105:

Model	Capacity
LB-26	96 x 0.2ml PCR plate
LB-27	54 x 0.5ml
LB-28	35 x 1.5ml
LB-29	35 x 2.0ml
LB-30	15 x 0.5ml + 20 x 1.5ml
LB-31	24 x diameter $\leq \Phi 12$ mm tubes
LB-32	32 x 0.2ml + 25 x 1.5ml
LB-33	32 x 0.2ml + 10 x 0.5ml + 15 x 1.5ml
LB-34	103 x 67 x 30 (Bath Block)
LM-05	96 x 0.2ml Micro-plate

### Accessories for LDBI-102, LDBI-103, LDBI-104:

Model	Capacity	Dimension
LB-35	35 x 6mm	95.5 x 76.5 x 50 mm
LB-36	35 x 7mm	95.5 x 76.5 x 50 mm
LB-37	20 x 10mm	95.5 x 76.5 x 50 mm
LB-38	20 x 12mm	95.5 x 76.5 x 50 mm
LB-39	20 x 13mm	95.5 x 76.5 x 50 mm
LB-40	12 x 15mm	95.5 x 76.5 x 50 mm
LB-41	12 x 16mm	95.5 x 76.5 x 50 mm
LB-42	12 x 19mm	95.5 x 76.5 x 50 mm
LB-43	6 x 20mm	95.5 x 76.5 x 50 mm
LB-44	6 x 26mm	95.5 x 76.5 x 50 mm
LB-45	4 x 28mm	95.5 x 76.5 x 50 mm
LB-46	2 x 40mm	95.5 x 76.5 x 50 mm
LB-47	30 x 0.5ml	95.5 x 76.5 x 50 mm
LB-48	24 x 1.5ml	95.5 x 76.5 x 50 mm
LB-49	24 x 2.0ml	95.5 x 76.5 x 50 mm
LB-50	96 x 0.25ml	78 x 114 x 26 mm
LM-06	96 well Micro-plate	81 x 123 x 19 mm



## Dry Bath Incubator LDBI-200

Labocon Dry Bath Incubator LDBI-200 Series is designed for applications that require precise temperature control and stability. They provide safe, compact, dry heat for a wide variety of clinical and general chemistry applications. The microprocessor controlled device is specially designed to accommodate a variety of interchangeable heating block modules, PCR tubes, microplates, etc., which ensures uniform heat transfer.



### Features:

#### For Model LDBI-201, LDBI-202 and LDBI-203:

- Compact design with stable operation
- Advanced temperature control with precise engineered block provides excellent thermal contact
- Rapid heat up, uniform heating, high stability, low energy consumption and noise
- Aluminium blocks ensures even heat distribution, eliminating the possibility of heater burn-out
- Easy cleaning, replacement and disinfection of metal blocks
- Block extraction tool allows easy removal of blocks
- Over temperature protection device
- Custom blocks available to meet experimental requirement
- Optional: External temperature probe

#### For Model LDBI-204:

- Compact design with stable operation
- Equipped with thermal cycle's heating lid technology
- Stainless steel plate mounted on tubes lid avoids its opening during high temperature incubation
- Rapid heat up, uniform heating, low energy consumption and noise
- Touch screen allows easy programming and use
- Real time temperature display
- Programmable system and program linked functions allows working of simple PCR tests
- Advanced temperature control with precise engineered block provides excellent thermal contact
- 60 user programmable settings
- Aluminium blocks ensures even heat distribution, eliminating the possibility of heater burn-out
- Easy cleaning and disinfection of metal blocks
- Block extraction tool allows easy removal of blocks
- Over temperature protection device
- Custom blocks available to meet experimental requirement

### Application:

Labocon Dry Bath Incubator is suitable for a variety of applications including sample cultivation, preservation and reaction, DNA amplification, restriction digestion Pre degeneration of electrophoresis and solidification, coagulation studies, in situ hybridization, etc. in pharmaceutical, chemical, food safety, environment and quality inspection.

## Dry Bath Incubator LDBI-200

### Specification:

Model	LDBI-201	LDBI-202	LDBI-203	LDBI-204
Temp. Range	RT +5-105°C			RT +5-100°C
Max Temp.	100°C			
Temp. Accuracy	≤±0.5°C			
Temp. Fluctuation	±0.4°C			
Temp. Uniformity	±0.2°C	±0.2°C at 37°C (within the blocks) ±0.3°C at 37°C (across similar blocks) ±0.3°C at 37°C (across similar blocks)	±0.2°C	±0.2°C at 37°C (within the blocks)
Temp. Resolution	0.1°C			
Time for Heating	≤15min (25°Cto 100°C)			≤15min (25°C to 120°C)
Time for Cooling	No cooling function			≤20min (40°C to 100°C)
Timer Range	1min-99h59min			1s-99h59min
Display	LED			Touchscreen
Blocks	1	2		
Dimension	250x190x130mm	365x210x150mm		380x210x160mm
Power	100W	200W		
Power Supply	220 V, 60Hz			
Weight	2.5kg	4.5kg		5.5kg
Catalog No.	9341228105	9341229105	9341230105	9341231105



## Dry Bath Incubator LDBI-200

### Accessories:

Model	Capacity
LB-51	96×0.2ml PCR plate
LB-52	45×0.5ml tubes
LB-53	35×1.5ml tubes
LB-54	35×2.0ml tubes
LB-55	15×0.5ml+20×1.5ml tubes
LB-56	20×1.5ml+15×2.0ml tubes
LB-57	32×0.2ml+22×0.5ml+9×1.5ml tubes
LB-58	20×5.0ml tubes
LB-59	20×10ml tubes
LB-60	12×15ml tubes
LB-61	6×50ml tubes
LM-07	96×0.2ml Elisa-Microplate or 4 slides
LB-62	Solid block (no holes)
LB-63	384 well PCR Plate
LB-64	40×Φ6mm tubes
LB-65	28×Φ10mm tubes
LB-66	24×Φ12mm tubes
LB-67	24×Φ13mm tubes
LB-68	14×Φ15mm tubes
LB-69	14×Φ16mm tubes
LB-70	12×Φ19mm tubes
LB-71	11×Φ20mm tubes
LB-72	6×Φ26mm tubes
LB-73	6×Φ28mm tubes
LB-74	2×Φ40mm tubes
LB-75	2×7-12.5×12.5 (Cuvette)



## LABOCON SYSTEMS LIMITED

Fowler Avenue, The Hub  
Farnborough Business Park  
Farnborough, GU14 7JF  
United Kingdom  
Tel: +44 203 3724850  
E-mail: [info@labocon.com](mailto:info@labocon.com)  
Web: [www.labocon.com](http://www.labocon.com)