

# DRY BATH INCUBATORS



# DRY BATH INCUBATORS

Dry bath incubators are the scientific instruments which are used to provide the dry heating environment to the test tubes or other glass wares which contains in Vitro diagnostic specimens or samples for qualitative or quantitative procedure in clinical laboratories. It plays crucial role in incubation and widely used in samples cultivation, preservation and reaction DNA amplification, Pre-degeneration of electrophoresis, and solidification.

Used in Immunoassays, Melting points, Enzyme reactions, Boiling points, Incubation, Activation of cultures, Laboratory procedures..

Also known as Digital Dry Bath Incubators, Heating blocks, Laboratory Dry Bath Incubators.

## LTBAT23 DRY BATH INCUBATOR

Microprocessor intelligent control

The unique design, Special plastic on the external edge of wash tank which is anti-corrosion, anti-scald

Stainless steel interior

Built-in frequency scanning function

Water level control

High ultrasound power and low noise



## SPECIFICATIONS

| Model                        | LTBAT23-1                   | LTBAC23-5                    |
|------------------------------|-----------------------------|------------------------------|
| Temperature Range            | RT+5-100 °C                 | -                            |
| Temp. Setting Range          | 5 °C~100 °C                 | 5 °C~150 °C                  |
| Temp. Stability@37°C         | ±0.3 °C                     | -                            |
| Block Temp. Uniformity       | ±0.5 °C                     | -                            |
| Temp. Display Accuracy       | 0.1 °C                      |                              |
| Heating Speed                | ≤15min (20 °C to 100 °C)    | ≤30 min(20 °C to 150 °C)     |
| Time Range                   | 1 min~9999 min              | 1 min~99 h 59 min            |
| Voltage                      | AC 220 V/AC 110 V, 50/60 Hz | AC 220 V/AC 110 V,50/60 Hz   |
| Power                        | 150 W                       | 400 W                        |
| Fuse                         | 250 V, 1A/2A, φ5x20         | 250 V,2A/3A,φ5x20            |
| Dimension                    | W.156 x D.176 x H.121 mm    | W.200 x D.230 x H.95mm       |
| Net Weight                   | 1.5 kgs                     | 3.3 kgs                      |
| Temp.Control Range           | -                           | R.T.+5 °C~150 °C             |
| Temp.Stability @40~100°C     | -                           | ±0.5 °C                      |
| Temp.Stability @100°C        | -                           | ±1 °C                        |
| Block Temp.Uniformity@40°C   | -                           | ±0.3 °C                      |
| Block Temp.Uniformity@>100°C | -                           | ±0.5 °C                      |
| Sample Capacity              | -                           | 2 block individually control |

## OPTIONAL ACCESSORIES

| Accessory Code | Name    | Description             | Dimension     | Capacity       | For Models |
|----------------|---------|-------------------------|---------------|----------------|------------|
| 2002308008     | Block A | 96 x 0.2ml              | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002308009     | Block B | 59 x 0.5ml              | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002308010     | Block C | 39 x 1.5ml              | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002308011     | Block D | 39 x 2.0ml              | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002308012     | Block E | 18 x 5.0ml              | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002308013     | Block F | 24 x 0.5ml + 30 x 1.5ml | Φ104.5mm x 32 |                | LTBAT23-1  |
| 2002312008     | Block A | 6 mm                    |               | 42             | LTBAC23-5  |
| 2002312009     | Block B | 7 mm                    |               | 42             | LTBAC23-5  |
| 2002312010     | Block C | 10 mm                   |               | 20             | LTBAC23-5  |
| 2002312011     | Block D | 12 mm                   |               | 20             | LTBAC23-5  |
| 2002312012     | Block E | 13 mm                   |               | 20             | LTBAC23-5  |
| 2002312013     | Block F | 15 mm                   |               | 12             | LTBAC23-5  |
| 2002312014     | Block G | 16 mm                   |               | 12             | LTBAC23-5  |
| 2002312015     | Block H | 19 mm                   |               | 12             | LTBAC23-5  |
| 2002312016     | Block I | 20 mm                   |               | 6              | LTBAC23-5  |
| 2002312017     | Block J | 26 mm                   |               | 6              | LTBAC23-5  |
| 2002312018     | Block K | 28 mm                   |               | 4              | LTBAC23-5  |
| 2002312019     | Block L | 40 mm                   |               | 2              | LTBAC23-5  |
| 2002312020     | Block M | 0.5 mm                  |               | 42             | LTBAC23-5  |
| 2002312021     | Block N | 1.5 mm                  |               | 24             | LTBAC23-5  |
| 2002312022     | Block O | 2.0 mm                  |               | 24             | LTBAC23-5  |
| 2002312023     | Block P | 0.2 mm                  |               | 48             | LTBAC23-5  |
| 2002312024     | Block Q | 0.2 mm                  |               | 96             | LTBAC23-5  |
| 2002312025     | Block R | Flat (no hole)          |               | 96 micro-plate | LTBAC23-5  |



LTBAT23-1



LTBAC23-5

# LTBAT23 DRY BATH INCUBATOR

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



## SPECIFICATIONS

| Model                        | LTBAT23-2                       | LTBAT23-3                  | LTBAT23-4        | LTBAT23-6              |
|------------------------------|---------------------------------|----------------------------|------------------|------------------------|
| Temperature Range            | RT+5-100 °C                     | -                          | -                | -                      |
| Temp. Setting Range          | 5 °C~100 °C                     | 5 °C~150 °C                |                  |                        |
| Temp. Stability@100°C        | ±0.5 °C                         | -                          | -                | -                      |
| Temp. Stability@40°C         | ±0.3 °C                         | -                          | -                | -                      |
| Block Temp. Uniformity       | ±0.3 °C                         | -                          | -                | -                      |
| Temp. Display Accuracy       | 0.1 °C                          |                            |                  |                        |
| Heating Speed                | ≤15 min (20°C to 100°C)         | ≤30 min(20 °C to 150 °C)   |                  |                        |
| Time Range                   | 1 min~99 h 59 min or continuous | 1 min~99 h 59 min          |                  |                        |
| Voltage                      | AC 220 V / AC 110 V, 50/60 Hz   | AC 220 V/AC 110 V,50/60 Hz |                  |                        |
| Power                        | 150 W                           | 200 W                      | 400 W            | 600 W                  |
| Fuse                         | 250 V, 1A/2A, φ5x20             | 250 V,2A/3A,φ5x20          |                  |                        |
| Dimension                    | W.196 x D.270 x H.170mm         | W.200 x D.230 x H.95mm     |                  | W.220 x D.360 x H.95mm |
| Net Weight                   | 2.2 kgs                         | 2.6 kgs                    | 3.3 kgs          | 4.7 kgs                |
| Temp.Control Range           | -                               | R.T.+5 °C~150 °C           |                  |                        |
| Temp.Stability @40~100°C     | -                               | ±0.5 °C                    |                  |                        |
| Temp.Stability @100°C        | -                               | ±1 °C                      |                  |                        |
| Block Temp.Uniformity@40°C   | -                               | ±0.3 °C                    |                  |                        |
| Block Temp.Uniformity@>100°C | -                               | ±0.5 °C                    |                  |                        |
| Sample Capacity              | -                               | 1 standard block           | 2 standard block | 4 standard block       |

## OPTIONAL ACCESSORIES

| Accessory Code | Name    | Description             | Capacity | For Models |
|----------------|---------|-------------------------|----------|------------|
| 2002309008     | Plate A | 96 x 0.2ml              |          | LTBAT23-2  |
| 2002309009     | Block B | 54 x 0.5ml              |          | LTBAT23-2  |
| 2002309010     | Block C | 35 x 1.5ml              |          | LTBAT23-2  |
| 2002309011     | Block D | 35 x 2.0ml              |          | LTBAT23-2  |
| 2002309012     | Block E | 20 x 0.5ml + 15 x 1.5ml |          | LTBAT23-2  |
| 2002309013     | Block F | 24 x dia. ≤ Φ12mm       |          | LTBAT23-2  |

|            |         |                                      |                |           |
|------------|---------|--------------------------------------|----------------|-----------|
| 2002309014 | Block G | 32 x 0.2ml + 25 x 1.5ml              |                | LTBAT23-2 |
| 2002309015 | Block H | 32 x 0.2ml + 10 x 0.5ml + 15 x 1.5ml |                | LTBAT23-2 |
| 2002309016 | Block I | 103 x 67 x 30mm                      |                | LTBAT23-2 |
| 2002309017 | Block J | flat block                           |                | LTBAT23-2 |
| 2002309018 | Block K | 24 x 5ml                             |                | LTBAT23-2 |
| 2002309019 | Block L | 32 x 12 x 15ml                       |                | LTBAT23-2 |
| 2002309020 | Cover M | Suit for block A I J                 |                | LTBAT23-2 |
| 2002309021 | Cover N | Suit for block J K L M               |                | LTBAT23-2 |
| 2002310008 | Block A | 6 mm                                 | 42             | LTBAT23-3 |
| 2002310009 | Block B | 7 mm                                 | 42             | LTBAT23-3 |
| 2002310010 | Block C | 10 mm                                | 20             | LTBAT23-3 |
| 2002310011 | Block D | 12 mm                                | 20             | LTBAT23-3 |
| 2002310012 | Block E | 13 mm                                | 20             | LTBAT23-3 |
| 2002310013 | Block F | 15 mm                                | 12             | LTBAT23-3 |
| 2002310014 | Block G | 16 mm                                | 12             | LTBAT23-3 |
| 2002310015 | Block H | 19 mm                                | 12             | LTBAT23-3 |
| 2002310016 | Block I | 20 mm                                | 6              | LTBAT23-3 |
| 2002310017 | Block J | 26 mm                                | 6              | LTBAT23-3 |
| 2002310018 | Block K | 28 mm                                | 4              | LTBAT23-3 |
| 2002310019 | Block L | 40 mm                                | 2              | LTBAT23-3 |
| 2002310020 | Block M | 0.5 mm                               | 42             | LTBAT23-3 |
| 2002310021 | Block N | 1.5 mm                               | 24             | LTBAT23-3 |
| 2002310022 | Block O | 2.0 mm                               | 24             | LTBAT23-3 |
| 2002310023 | Block P | 0.2 mm                               | 48             | LTBAT23-3 |
| 2002310024 | Block Q | 0.2 mm                               | 96             | LTBAT23-3 |
| 2002310025 | Block R | Flat (no hole)                       | 96 micro-plate | LTBAT23-3 |
| 2002311008 | Block A | 6 mm                                 | 42             | LTBAT23-4 |
| 2002311009 | Block B | 7 mm                                 | 42             | LTBAT23-4 |
| 2002311010 | Block C | 10 mm                                | 20             | LTBAT23-4 |
| 2002311011 | Block D | 12 mm                                | 20             | LTBAT23-4 |
| 2002311012 | Block E | 13 mm                                | 20             | LTBAT23-4 |
| 2002311013 | Block F | 15 mm                                | 12             | LTBAT23-4 |
| 2002311014 | Block G | 16 mm                                | 12             | LTBAT23-4 |
| 2002311015 | Block H | 19 mm                                | 12             | LTBAT23-4 |
| 2002311016 | Block I | 20 mm                                | 6              | LTBAT23-4 |
| 2002311017 | Block J | 26 mm                                | 6              | LTBAT23-4 |
| 2002311018 | Block K | 28 mm                                | 4              | LTBAT23-4 |
| 2002311019 | Block L | 40 mm                                | 2              | LTBAT23-4 |
| 2002311020 | Block M | 0.5 mm                               | 42             | LTBAT23-4 |
| 2002311021 | Block N | 1.5 mm                               | 24             | LTBAT23-4 |
| 2002311022 | Block O | 2.0 mm                               | 24             | LTBAT23-4 |
| 2002311023 | Block P | 0.2 mm                               | 48             | LTBAT23-4 |
| 2002311024 | Block Q | 0.2 mm                               | 96             | LTBAT23-4 |
| 2002311025 | Block R | Flat (no hole)                       | 96 micro-plate | LTBAT23-4 |
| 2002313008 | Block A | 6 mm                                 | 42             | LTBAT23-6 |
| 2002313009 | Block B | 7 mm                                 | 42             | LTBAT23-6 |
| 2002313010 | Block C | 10 mm                                | 20             | LTBAT23-6 |
| 2002313011 | Block D | 12 mm                                | 20             | LTBAT23-6 |

|            |         |                |                |           |
|------------|---------|----------------|----------------|-----------|
| 2002313012 | Block E | 13 mm          | 20             | LTBAT23-6 |
| 2002313013 | Block F | 15 mm          | 12             | LTBAT23-6 |
| 2002313014 | Block G | 16 mm          | 12             | LTBAT23-6 |
| 2002313015 | Block H | 19 mm          | 12             | LTBAT23-6 |
| 2002313016 | Block I | 20 mm          | 6              | LTBAT23-6 |
| 2002313017 | Block J | 26 mm          | 6              | LTBAT23-6 |
| 2002313018 | Block K | 28 mm          | 4              | LTBAT23-6 |
| 2002313019 | Block L | 40 mm          | 2              | LTBAT23-6 |
| 2002313020 | Block M | 0.5 mm         | 42             | LTBAT23-6 |
| 2002313021 | Block N | 1.5 mm         | 24             | LTBAT23-6 |
| 2002313022 | Block O | 2.0 mm         | 24             | LTBAT23-6 |
| 2002313023 | Block P | 0.2 mm         | 48             | LTBAT23-6 |
| 2002313024 | Block Q | 0.2 mm         | 96             | LTBAT23-6 |
| 2002313025 | Block R | Flat (no hole) | 96 micro-plate | LTBAT23-6 |



LTBAT23-2



LTBAT23-3



LTBAT23-4



LTBAT23-6

## LTBAT24 DRY BATH INCUBATOR

Compact design with stable operation

Aluminium blocks ensures even heat distribution, eliminating the possibility of heater burnout

Custom blocks available to meet experimental requirement

Advanced temperature control with precise engineered block provides excellent thermal contact

Rapid heat up, uniform heating, high stability, low energy consumption and noise

Easy cleaning, replacement and disinfection of metal blocks

Block extraction tool allows easy removal of blocks

Over temperature protection device

Optional: External temperature probe



### SPECIFICATIONS

| Model                   | LTBAT24-1   | LTBAT24-2   | LTBAT24-3 | LTBAT24-4   |
|-------------------------|-------------|---|-----------|---|
| Temperature Range       | RT+5-105 °C |   |           | RT+5-100 °C   |
| Temperature Resolution  | 0.1 °C      |   |           |   |
| Temperature Accuracy    | ±0.5 °C     |   |           |   |
| Temperature Fluctuation | ±0.4 °C     |   |           |   |
| Temperature Uniformity  | ±0.2°C      | ±0.2°C at 37°C(within the blocks), ±0.3°C at 37°C (across similar blocks) | ±0.2°C    | ±0.2°C at 37°C(within the blocks), ±0.3°C at 37°C (across similar blocks) |

|                    |                        |                |                           |
|--------------------|------------------------|----------------|---------------------------|
| Time Range         | 1 min-99 h 59 min      |                | 1 min~99 h 59 min         |
| Time for Cooling   | No cooling function    |                | ≤20 min (40 °C to 100 °C) |
| Time for Heating   | ≤15min (25°C to 100°C) |                | ≤15min (25°C to 120°C)    |
| Platform Dimension | 250x190x130 mm         | 365x210x150 mm | 380x210x160 mm            |
| Weight             | 2.5 kg                 | 4.5 kg         | 5.5 kg                    |
| Display            | LED                    |                | Touchscreen               |
| Blocks             | 1                      | 2              |                           |
| Power              | 100 W                  | 200 W          |                           |
| Power Supply       | 220V, 60Hz             |                |                           |



LTBAT24-1



LTBAT24-2



LTBAT24-3



LTBAT24-4

## LTBAT25 MINI DRY BATH

Microprocessor controlled incubation temperature and time

Compact design with stable operation

Rapid heat up, uniform heating, high stability, low energy consumption and noise

Simultaneous display of set temperature and time

Built in temperature calibration function

Aluminium blocks ensures even heat distribution, eliminating the possibility of heater burnout

Custom blocks available to meet experimental requirements

Easy cleaning, replacement and disinfection of metal blocks

Automatic fault detection and buzzer alarm function

Audio alarm indicates program completion

Over temperature protection device



## SPECIFICATIONS

| Model                  | LTBAT25-14                     | LTBAT25-1       | LTBAT25-2 |
|------------------------|--------------------------------|-----------------|-----------|
| Temperature Range      | RT+5 °C-100 °C                 |                 |           |
| Temp. Setting Range    | 0 °C~100 °C                    |                 |           |
| Temp. Stability@100°C  | ±0.5 °C                        |                 |           |
| Temp. Stability@40°C   | ±0.3 °C                        |                 |           |
| Block Temp. Uniformity | ±0.3 °C                        |                 |           |
| Temp. Display Accuracy | 0.1 °C                         |                 |           |
| Heating Speed          | ≤15 min ( 20 °C to 100 °C)     |                 |           |
| Cooling Speed          | fan cooling                    | natural cooling |           |
| Heating Cover          | No                             |                 | Yes       |
| Time Range             | 1 sec~999 sec or 1 min~999 min |                 |           |
| Voltage                | DC24V adapter                  |                 |           |

|                     |                         |   |   |
|---------------------|-------------------------|---|---|
| Power               | 60 W                    |   |   |
| Dimension           | W.110 x D.156 x H.103mm |   |   |
| Net Weight          | 1 kgs                   |   |   |
| Temp. Max. Decrease | -                       | - | - |

| Model                  | LTBAT25-6                              | LTBAT25-7 |
|------------------------|--|-----------|
| Temperature Range      | -10°C-100°C                            |           |
| Temp. Setting Range    | -10°C~100°C                            |           |
| Temp. Stability@100°C  | ±0.5°C                                 |           |
| Temp. Stability@40°C   | ±0.3°C                                 |           |
| Block Temp. Uniformity | ±0.3°C                                 |           |
| Temp. Display Accuracy | 0.1°C                                  |           |
| Heating Speed          | ≤15 min ( 20°C to 100°C)               |           |
| Cooling Speed          | ≤30min (R.T. decreases 20°C) @R.T.26°C |           |
| Heating Cover          | No                                     | Yes       |
| Time Range             | 1 sec~999 sec or1 min~999 min          |           |
| Voltage                | DC24V adapter                          |           |
| Power                  | 120 W                                  |           |
| Dimension              | W.110 x D.156 x H.103mm                |           |
| Net Weight             | 1.4 kgs                                |           |
| Temp. Max. Decrease    | R.T. decreases 25°C @R.T. 26°C         |           |



LTBAT25-14



LTBAT25-1



LTBAT25-2



LTBAT25-6



LTBAT25-7



# LTBAT25 DRY BATH INCUBATORS



## SPECIFICATIONS

| Model                               | LTBAT25-3                | LTBAT25-4  | LTBAT25-13                                     |
|-------------------------------------|--------------------------|------------|--|
| Capacity                            | 4 L                      | -          | -  |
| Function                            | Heating function         | -          | -  |
| Temperature Range                   | +5°C~100°C               | RT+5-80 °C | RT+5-99.9°C (BX7103 & BX7104) 0-99.9°C(BX7102) |
| Temperature Uniformity              | ≤±0.3°C                  | -          | -  |
| Cleaning Tank (LxWxH)               | 300x150x100 mm           | -          | -  |
| Outer Dimension (WxDxH)             | 420x230x270 mm           | -          | 360x180x150 mm                                 |
| Weight                              | 0.5 kg                   |            | 3 kg   |
| Maximum Input Power                 | 450                      | -          | -  |
| Maximum Output Power                | 180                      | -          | -  |
| Heating Power                       | 250                      | -          | -  |
| Power Adjustable (%)                | 30-100                   | -          | -  |
| Drain                               | NO                       | -          | -  |
| Level Control System                | NO                       | -          | -  |
| Power Supply                        | AC 100-240 V, 50 / 60 Hz |            | 12 V DC  |
| Display Accuracy                    | -                        | ±0.1 °C    | 0.1°C  |
| Temperature Control Accuracy        | -                        | ±0.5°C     | ≤0.5°C   |
| Temperature Control Accuracy @ 40°C | -                        | ±0.3°C     | -  |
| Temperature Stability               | -                        | -          | 0.2°C  |
| Power                               | -                        | -          | 120 W  |
| Note                                | -                        | -          | * only for BX7102                              |



LTBAT25-3



LTBAT25-4



LTBAT25-13

# LTBAT26 DUAL TEMPERATURE CONTROL DRY BATH INCUBATOR

Unique dual temperature control slot can individually control temperature to make sure noninterference. One equipment to meet the demand for more experiments.

OLED display, simple interface, double time and temperature setting, means simultaneous temperature and diminishing time display.

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature calibration function, automatic fault detection and buzzer alarm function.

Built in over-temperature protection device, safe and reliable, enhance the service life of the machine.

Product designed compact and tight, occupied little space. Using freer and easier.

Various blocks for convenient replacement, easy for cleaning and disinfection.

Perfect high module sealing cartridge with cover can make 15/50ml high module totally enclosed with dry bath.

Heated model can option external sensors to control temperature more accurately and directly.



## SPECIFICATIONS

| Model                        | LTBAT26-1                       | LTBAT26-8                            |
|------------------------------|---------------------------------|--------------------------------------|
| Temperature Range            | R.T.+5 °C~105 °C                | -10°C~105°C                          |
| Temp. Setting Range          | 5°C~105°C                       | -10°C~105°C                          |
| Temperature Stability@100°C  | ±0.5°C                          |                                      |
| Temperature Stability@40°C   | 0.3 °C                          | 0.3°C                                |
| Block Temperature Uniformity | ±0.3 °C                         | ±0.3°C                               |
| Temperature Display Accuracy | 0.1 °C                          | 0.1°C                                |
| Heating Speed                | ≤15 min (20 °C to 100 °C)       | ≤15min (20°C to 100°C)               |
| Max. temp.                   | 105°C                           |                                      |
| Time Range                   | 1 min~99 h 59 min or continuous | 1min~99h59min or continuous          |
| Voltage                      | AC 220 V/AC 110 V, 50/60 Hz     | AC 220V/AC 110V, 50/60Hz             |
| Power                        | 150W                            | 200W                                 |
| Fuse                         | 250V,2A/4A, φ5x20               |                                      |
| Dimension (WxDxH)            | W.240 x D.260 x H.168mm         |                                      |
| Net Weight                   | 2.6kgs                          | 3.0kgs                               |
| Temperature Max. Decrease    | -                               | R.T. decreases 25°C@R.T. 26°C        |
| Cooling Speed                | -                               | ≤25min (R.T. decrease 25°C)@R.T.26°C |



LTBAT26-1



LTBAT26-8

# LTBAT26-2 DUAL TEMPERATURE CONTROL DRY BATH INCUBATOR

Unique dual temperature control slot can individually control temperature to make sure noninterference. One equipment to meet the demand for more experiments.

OLED display, simple interface, double time and temperature setting, means simultaneous temperature and diminishing time display.

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature calibration function, automatic fault detection and buzzer alarm function.

Built in over-temperature protection device, safe and reliable, enhance the service life of the machine.

Product designed compact and tight, occupied little space. Using freer and easier.

Various blocks for convenient replacement, easy for cleaning and disinfection.

Perfect high module sealing cartridge with cover can make 15/50ml high module totally enclosed with dry bath.

Heated model can option external sensors to control temperature more accurately and directly.



## SPECIFICATIONS

| Model                        | LTBAT26-2  |
|------------------------------|--|
| Temperature Range            | Heating: R.T.+5°C~105°C and Cooling: -10°C~105°C |
| Temp. Setting Range          | Heating:5 °C ~105 °C, Cooling:-10 °C ~105 °C     |
| Temperature Max. Decrease    | Cooling: R.T. decreases @R.T. 26°C               |
| Temperature Stability@100°C  | ±0.5 °C  |
| Temperature Stability@40°C   | 0.3 °C   |
| Block Temperature Uniformity | ±0.3 °C  |
| Temperature Display Accuracy | 0.1 °C   |
| Heating Speed                | ≤15 min (20 °C to 100 °C)                        |
| Max. temp.                   | 105 °C   |
| Cooling Speed                | ≤25 min (R.T. decrease 25°C)@R.T.26°C            |
| Time Range                   | 1min~99h59min or continuous                      |
| Voltage                      | AC 220V/AC 110V, 50/60Hz                         |
| Power                        | 170W   |
| Fuse                         | 250V,2A/4A, φ5x20                                |
| Dimension (WxDxH)            | W.240 x D.260 x H.168mm                          |
| Net Weight                   | 2.6kgs   |

# LTBAT26-3 DUAL TEMPERATURE CONTROL DRY BATH INCUBATOR



## SPECIFICATIONS

|                               |             |
|-------------------------------|-------------|
| Model                         | LTBAT26-3   |
| Temperature Range             | 0-100 °C    |
| Temp. Setting Range           | ±0.5 °C     |
| Weight                        | 1.4 kg      |
| Temperature Precision         | ±0.5°C      |
| Operation Ambient Temperature | 8-30°C      |
| Power Supply                  | 12 V DC, 7A |

# LTBAT26 DRY BATH INCUBATORS



## SPECIFICATIONS

| Model                         | LTBAT26-5 | LTBAT26-6 |
|-------------------------------|-----------|-----------|
| Temperature Range             | 0-100 °C  | -         |
| Temperature Uniformity        | ±0.5 °C   |           |
| Weight                        | 1.4 kg    | 0.75 kg   |
| Temperature Precision         | ±0.5°C    |           |
| Operation Ambient Temperature | 8-30°C    |           |

|              |             |             |
|--------------|-------------|-------------|
| Power Supply | 12 V DC, 7A | 12 V DC, 5A |
|--------------|-------------|-------------|



LTBAT26-5



LTBAT26-6

## LTBAT21-7 DRY BATH INCUBATOR

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



### SPECIFICATIONS

|                        |   |
|------------------------|---|
| Model                  | LTBAT21-7                               |
| Temperature Range      | -10-100 °C                              |
| Temp. Max. Decrease    | R.T. decreases 30°C@R.T. 26°C           |
| Temp. Setting Range    | -10 °C ~100 °C                          |
| Temp. Stability@100°C  | ±0.5 °C                                 |
| Temp. Stability@40°C   | ±0.3 °C                                 |
| Block Temp. Uniformity | ±0.3°C                                  |
| Temp. Display Accuracy | 0.1°C                                   |
| Heating Speed          | ≤15min (20°C to 100°C)                  |
| Cooling Speed          | ≤30min (R.T. decreases 30°C) @R.T. 26°C |
| Time Range             | 1 min ~ 99 h 59 min or continuous       |
| Voltage                | AC90~230 V, 50/60 Hz                    |
| Power                  | 150 W                                   |
| Fuse                   | 250 V, 3A, φ5x20                        |
| Dimension              | W.196 x D.270 x H.170mm                 |
| Net Weight             | 3.5 kgs                                 |

# LTBAT21 DRY BATH INCUBATORS



## SPECIFICATIONS

| Model                                  | LTBAT21-8        | LTBAT21-9       | LTBAT21-10                | LTBAT21-18               |
|--|------------------|-----------------|---------------------------|--------------------------|
| Capacity                               | 10 L             |                 | 22.5 L                    | -                        |
| Function                               | Power adjustable | Basic model     | Heating function          | -                        |
| Temperature Range                      | R.T.+5 °C~100 °C | RT+5-100 °C     | RT+5-105 °C               | -                        |
| Temperature Control Accuracy           | ±0.5°C           | -               | -                         | -                        |
| Cleaning Tank (LxWxH)                  | 300x240x150 mm   |                 | 500x300x150 mm            | -                        |
| Outer Dimension (WxDxH)                | 420x310x370 mm   |                 | 640x340x370 mm            | -                        |
| Weight                                 | 3 kg             | 2.5 kg          | 2.3 kg                    | -                        |
| Maximum Input Power                    | 400              |                 | 1500                      | -                        |
| Maximum Output Power                   | 360              |                 | 720                       | -                        |
| Heating Power                          | NO               |                 | 1000                      | -                        |
| Power Adjustable (%)                   | 30-100           | NO              | 30-100                    | -                        |
| Drain                                  | YES              |                 |                           | -                        |
| Level Control System                   | YES              |                 |                           | -                        |
| Maximum Temperature Difference at 40°C | -                | ±0.5°C at 100°C | -                         | -                        |
| Display Accuracy                       | -                | ±0.1°C          | 0.1°C                     | -                        |
| Temperature Accuracy for blocks        | -                | -               | ±0.5°C                    | -                        |
| Temperature Uniformity                 | -                | -               | ±0.5°C(within the blocks) | -                        |
| Lid's Temperature range                | -                | -               | RT+5-110°C                | -                        |
| Temp. Control Range                    | -                | -               | -                         | R.T.+5°C~60°C            |
| Temp. Setting Range                    | -                | -               | -                         | 5°C~60°C                 |
| Temp. Stability@37°C                   | -                | -               | -                         | ±0.2°C                   |
| Temp. Uniformity                       | -                | -               | -                         | ±0.5°C                   |
| Temp. Display Accuracy                 | -                | -               | -                         | 0.1°C                    |
| Time Range                             | -                | -               | -                         | 1min~99h59min            |
| Fan Speed Range                        | -                | -               | -                         | 1200~3200rpm             |
| Incubation Space Size                  | -                | -               | -                         | L.245 x W.215 x H.85mm   |
| Voltage                                | -                | -               | -                         | AC 220V/AC 110V, 50/60Hz |
| Power                                  | -                | -               | -                         | 300W                     |
| Fuse                                   | -                | -               | -                         | 250 V, 2A/4A, φ5x20      |
| Dimension                              | -                | -               | -                         | W.275 x D.395 x H.150mm  |

|            |   |   |   |         |
|------------|---|---|---|---------|
| Net Weight | - | - | - | 8.1 kgs |
|------------|---|---|---|---------|



LTBAT21-8



LTBAT21-9



LTBAT21-10



LTBAT21-18

## LTBAT21 DRY BATH INCUBATOR

Unique dual temperature control slot can individually control temperature to make sure noninterference. One equipment to meet the demand for more experiments.

OLED display, simple interface, double time and temperature setting, means simultaneous temperature and diminishing time display.

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature calibration function, automatic fault detection and buzzer alarm function.

Built in over-temperature protection device, safe and reliable, enhance the service life of the machine.

Product designed compact and tight, occupied little space. Using freer and easier.

Various blocks for convenient replacement, easy for cleaning and disinfection.

Perfect high module sealing cartridge with cover can make 15/50ml high module totally enclosed with dry bath.

Heated model can option external sensors to control temperature more accurately and directly.



## SPECIFICATIONS

| Model                           | LTBAT21-11   | LTBAT21-12  |
|---------------------------------|--|-------------|
| Capacity                        | 22.5 L   |             |
| Function                        | Power adjustable   | Basic model |
| Temperature Range               | -5 °C~105 °C (If Ambient Temperature ≤ 20 °C) 0°C~105°C (If Ambient Temperature ≤ 25 °C) 4°C~105 °C (If Ambient Temperature ≤ 30 °C) | -10°C~100°C |
| Temperature Accuracy for blocks | ±0.5°C   | -           |
| Temperature Uniformity          | ±0.5°C (within the blocks)   | -           |
| Display Accuracy                | 0.1°C  |             |
| Cleaning Tank (LxWxH)           | 500x300x150 mm   |             |
| Outer Dimension (WxDxH)         | 640x340x370 mm   |             |
| Weight                          | 3.0 kg   | -           |
| Lid's Temperature range         | RT+5-110°C   | -           |
| Maximum Input Power             | 750  |             |
| Maximum Output Power            | 720  |             |
| Heating Power                   | NO   |             |
| Power Adjustable (%)            | 30-100   | NO          |
| Drain                           | YES  |             |

|                              |     |         |
|------------------------------|-----|---------|
| Level Control System         | YES |         |
| Temperature Control Accuracy | -   | ≤±0.3°C |



LTBAT21-11



LTBAT21-12

## LTBAT21-13 DRY BATH INCUBATOR

Unique dual temperature control slot can individually control temperature to make sure noninterference. One equipment to meet the demand for more experiments.

OLED display, simple interface, double time and temperature setting, means simultaneous temperature and diminishing time display.

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature calibration function, automatic fault detection and buzzer alarm function.

Built in over-temperature protection device, safe and reliable, enhance the service life of the machine.

Product designed compact and tight, occupied little space. Using freer and easier.

Various blocks for convenient replacement, easy for cleaning and disinfection.

Perfect high module sealing cartridge with cover can make 15/50ml high module totally enclosed with dry bath.

Heated model can option external sensors to control temperature more accurately and directly.



### SPECIFICATIONS

|                              |            |
|------------------------------|------------|
| Model                        | LTBAT21-13 |
| Temperature Range            | RT+5-100°C |
| Display Accuracy             | 0.1°C      |
| Temperature Control Accuracy | ≤±0.3°C    |



# LTBAT21 DRY BATH INCUBATOR

- Microprocessor temperature controller
- Easy maintenance
- LCD display with touch key panel for temperature setting
- Over temperature alarm system



## SPECIFICATIONS

| Model                         | LTBAT21-14 | LTBAT21-15                           | LTBAT21-16    |
|-------------------------------|------------|--------------------------------------|---------------|
| Temperature Range             | RT+5-100°C | Room temp.-120°C                     | -             |
| Display Accuracy              | 0.1°C      | -                                    | -             |
| Temperature Control Accuracy  | ≤±0.3°C    | ±0.5°C                               | -             |
| Temperature Uniformity        | -          | ±0.5°C                               |               |
| Outer Dimension (WxDxH)       | -          | 95Wx150Dx50H mm                      | 185x185x90 mm |
| Weight                        | -          | 3 kg                                 | 1.4 kg        |
| Overheating protection        | -          | 140°C                                | -             |
| Adapter block material        | -          | Aluminium                            | -             |
| Display                       | -          | LED                                  | -             |
| Power                         | -          | 160 W                                | -             |
| Power Supply                  | -          | 100-120 V / 220-240 V ,50 Hz / 60 Hz | 12 V DC, 5A   |
| Temperature Precision         | -          | -                                    | ±0.5°C        |
| Operation Ambient Temperature | -          | -                                    | 8-30°C        |



LTBAT21-14



LTBAT21-15



LTBAT21-16

# LTBAT27-2 DUAL TEMPERATURE CONTROL DRY BATH INCUBATOR

Submerged controller apply fuzzy logistic PID control, high brightness LCD, which is able to display time, date and system information for facilitating the operation.

It is easy to maintain and clean condenser to improve the refrigerating performance and save energy.

RS232 interface.

The fluid can be discharged easily for the cleaning and maintenance of incubator.

Condenser coil is designed around for guaranteeing the even temperature inside the incubator.

Professional human mechanical design is applied to improve the comfort.

The circulator applies high quality cold rolling plate sprayed with Dupont powder. The inner bag applies SUS304 stainless plate cut with laser.

The combined use of refrigerator and heater makes the temperature range wider and temperature control more accurate. High precision temperature control can be conducted.

Strong external circulation and cooling capacity; the pump power can be controlled electronically to guarantee the best heat exchange effect.

An air filter screen is installed to the air intake at the bottom of control panel, which is used to effectively prevent the suction of ash and maintain the internal part clean.

Apply fuzzy logistic PID control, high brightness LCD, which is able to display time, date and system information for facilitating the operation.

Devices for electrical leakage protection, power down recovery, water level alarm, independent over temperature protection, upper limit and lower limit alarm of temperature etc. are provided to guarantee the safety of operation.



## SPECIFICATIONS

|                               |                                 |
|-------------------------------|---------------------------------|
| Model                         | LTBAT27-2                       |
| Temperature Range             | 0-100°C Programmable 3 segments |
| Outer Dimension (WxDxH)       | 185x185x90 mm                   |
| Weight                        | 1.4 kg                          |
| Temperature Precision         | ±0.5°C                          |
| Operation Ambient Temperature | 8-30°C                          |
| Power Supply                  | 12 V DC, 7A                     |

# LTBAT24 MINI DRY BATH INCUBATOR

Fuzzy PID temperature control system: control temperature stability accurately and fast.

Multi-protection: Over-current protection, high and low temperature warning functions, dry-running protection.

Convenience function: Parameters memory function, temperature correction.

ECO-refrigerant R134a and high quality compressor guarantee the cooling system ecofriendly and powerful

Low Noise design: use high quality compressor and mute pump.

Robust water tank: ultra-slushing and rust-proof

Bright LCD temperature display

Compact design, removable venting grid for convenient cleaning to maintain cooling performance and drain off water



## SPECIFICATIONS

| Model                               | LTBAT24-8         | LTBAT24-9         | LTBAT24-10        | LTBAT24-11     |
|-------------------------------------|-------------------|-------------------|-------------------|----------------|
| Temperature Range                   | RT+5-100°C        | 0°C-100°C         | RT+5-100°C        | RT+5-99.9°C    |
| Display Accuracy                    | ±0.1°C            |                   |                   | 0.1°C          |
| Outer Dimension (WxDxH)             | 152Wx120Dx112H mm | 162Wx110Dx140H mm | 152Wx120Dx112H mm | 360x180x150 mm |
| Weight                              | 0.8 kg            | 1.0 kg            | 0.9 kg            | 3 kg           |
| Temperature Control Accuracy        | ±0.5°C            |                   |                   | ±0.5°C         |
| Temperature Control Accuracy @ 40°C | ±0.3°C            |                   |                   | -              |
| Power Supply                        | 24 V DC           | 12 V DC           | 24 V DC           | 12 V DC        |
| Lid's Temperature range             | -                 | -                 | RT+5-100°C        | -              |
| Temperature Stability               | -                 | -                 | -                 | 0.2°C          |
| Power                               | -                 | -                 | -                 | 120 W          |



LTBAT24-8



LTBAT24-9



LTBAT24-10



LTBAT24-11

## LTBAT27-5 DUAL TEMPERATURE CONTROL DRY BATH

- PID controller offers precise temperature control and uniformity
- Corrosion resistant inner and outer chamber made of stainless steel
- Dual LED screen displays temperature and time
- Protection against compressor overload, high/low voltage and current
- Convenient and reliable operation
- Equipped with caster for easy installation



## SPECIFICATIONS

| Model                         | LTBAT27-5     |
|-------------------------------|---------------|
| Temperature Range             | 4-100°C       |
| Temperature Uniformity        | ±0.5°C        |
| Outer Dimension (WxDxH)       | 130x130x85 mm |
| Weight                        | 0.75 kg       |
| Temperature Precision         | ±0.5°C        |
| Operation Ambient Temperature | 8-30°C        |
| Power Supply                  | 12 V DC, 5A   |

# LTBAT24-12 MINI DRY BATH INCUBATOR

- PID controller offers precise temperature control and uniformity
- Corrosion resistant inner and outer chamber made of stainless steel
- Dual LED screen displays temperature and time
- Protection against compressor overload, high/low voltage and current
- Convenient and reliable operation
- Equipped with caster for easy installation



## SPECIFICATIONS

|                               |               |
|-------------------------------|---------------|
| Model                         | LTBAT24-12    |
| Temperature Uniformity        | ±0.5°C        |
| Outer Dimension (WxDxH)       | 130x395x95 mm |
| Weight                        | 2.25 kg       |
| Temperature Precision         | ±0.5°C        |
| Operation Ambient Temperature | 8-30°C        |
| Power Supply                  | 12 V DC, 7A   |

# LTBAT23 DRY BATH INCUBATORS



## SPECIFICATIONS

| Model                                  | LTBAT23-19      | LTBAT23-20   | LTBAT23-21   |
|--|-----------------|--|--|
| Temperature Range                      | -10°C-100°C     | 0°C-100°C if Ambient Temperature ≤ 20°C<br>4°C-100°C if Ambient Temperature ≤ 25°C<br>10°C-100°C if Ambient Temperature ≤ 30°C | Heating: Room temp.-110°C<br>Cooling: Room temp.~below room temp. 25°C |
| Temperature Accuracy for lid           |                 | ±1°C   | -  |
| Maximum Temperature Difference at 40°C | ±0.5°C at 100°C | -  | -  |

|                              |                   |         |                                      |
|------------------------------|-------------------|---------|--------------------------------------|
| Display Accuracy             | ±0.1°C            | 0.1°C   | -                                    |
| Outer Dimension (WxDxH)      | 300Lx220Wx180H mm | -       | 200Wx235Dx120H mm                    |
| Weight                       | 5 kg              | -       | 7.3 kg                               |
| Temperature Control Accuracy | -                 | ≤±0.3°C | ±0.5°C(@20°C-45°C)                   |
| Temperature Uniformity       | -                 | -       | Max. ±0.5°C(@20°C-25°C)              |
| Overheating protection       | -                 | -       | 150°C                                |
| Adapter block material       | -                 | -       | Aluminium                            |
| Display                      | -                 | -       | TFT                                  |
| Power                        | -                 | -       | 200 W                                |
| Power Supply                 | -                 | -       | 100-120 V / 220-240 V ,50 Hz / 60 Hz |



LTBAT23-19



LTBAT23-20



LTBAT23-21

## LTBAT23-22 DRY BATH INCUBATOR

Novel and unique appearance, simple interface operation, small size. Temp. Max. Decrease of 25°C @ R.T. 26°C.

Using 5-inch TFT high-definition full-touch color screen, can quickly edit the required documents, temperature curve visual display, the setting is convenient and fast, real-time accurate display temperature curve and instrument operation process status.

Refrigeration type is based on semiconductor heating and cooling technology, and PID temperature control technology design, the rate of heating and cooling is excellent.



## SPECIFICATIONS

| Model                               | LTBAT23-22                    |
|-------------------------------------|-------------------------------|
| Block temp. setting range           | - 10 °C ~ 100 °C              |
| Block temp. control range           | (R.T.- 25°C)~100 °C           |
| Temp. Max. Decrease                 | R.T. decreases 25°C@R.T. 26°C |
| Hot lid temp. setting range(≤105°C) | 0~105 °C / Block+(0~105 °C)   |
| Hot lid temp. control range         | R.T.+5 °C~105 °C              |
| Time range                          | 1s ~99m59S / 0 is ∞           |
| Max. number of steps                | 10                            |
| Max. number of cycles               | 99                            |
| Block temp. control accuracy        | ±0.5 °C                       |
| Hot lid temp. accuracy              | ±1.0 °C                       |
| Block temp. uniformity              | ±0.5 °C                       |

|                          |                                  |
|--------------------------|----------------------------------|
| Display accuracy         | 0.1 °C                           |
| Heating time (R.T.25 °C) | Heating rate(37°C-100°C)≥7°C/min |
| Cooling time             | Cooling rate(100°C-37°C)≥8°C/min |
| Dimension                | W.185xD.280xH.160 mm             |
| Net weight               | 3.2 Kgs                          |

## LTBAT23-23 DRY BATH INCUBATOR

Novel and unique appearance, simple interface operation, small size.

Using 5-inch TFT high-definition full-touch color screen, can quickly edit the required documents, temperature curve visual display, the setting is convenient and fast, real-time accurate display temperature curve and instrument operation process status.

Refrigeration type is based on semiconductor heating and cooling technology, and PID temperature control technology design, the rate of heating and cooling is excellent.



### SPECIFICATIONS

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Model                               | LTBAT23-23                       |
| Block temp. setting range           | 0 °C ~ 100 °C                    |
| Block temp. control range           | (R.T.- 5°C)~100 °C               |
| Hot lid temp. setting range(≤105°C) | 0~105 °C / Block+(0~105 °C)      |
| Hot lid temp. control range         | R.T.+5 °C~105 °C                 |
| Time range                          | 1s ~99m59S / 0 is ∞              |
| Max. number of steps                | 10                               |
| Max. number of cycles               | 99                               |
| Block temp. control accuracy        | ±0.5 °C                          |
| Hot lid temp. accuracy              | ±1.0 °C                          |
| Block temp. uniformity              | ±0.5 °C                          |
| Display accuracy                    | 0.1 °C                           |
| Heating time (R.T.25 °C)            | Heating rate(37°C-100°C)≥7°C/min |
| Cooling time                        | Fan cooling                      |
| Dimension                           | W.185xD.280xH.160 mm             |
| Net weight                          | 2.7 Kgs                          |

# LTBAT23 DRY BATH INCUBATOR

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Simple or program temperature control mode is available, making the experiment more convenient.

Sliding operation, light touch button, novel and fashionable.

The standard metal blocks are easy to replace, easy to clean and disinfect.

Protect samples from contamination.

The buzzer tone can be turned off, making the experiment quieter.



## SPECIFICATIONS

| Model                          | LTBAT23-24                        | LTBAT23-25       | LTBAT23-26 |
|--------------------------------|-----------------------------------|------------------|------------|
| Temperature Range              | RT+5-150°C                        |                  |            |
| Temp. Setting Range            | 5°C~150°C                         |                  |            |
| Time Range                     | 1min~99h59m (00:00 is continuous) |                  |            |
| Block Temp. Stability@40~100°C | ±0.5 °C                           |                  |            |
| Block Temp. Stability@>100°C   | ±1 °C                             |                  |            |
| Block Temp. Uniformity@40°C    | ±0.3 °C                           |                  |            |
| Block Temp. Uniformity@>40°C   | ±0.5 °C                           |                  |            |
| Temp. Display Accuracy         | 0.1 °C                            |                  |            |
| Heating Speed                  | ≤15min(20°C~150°C)                |                  |            |
| Sample Capacity                | 1 standard block                  | 2 standard block |            |
| Voltage                        | AC 220V/AC 110V 50Hz/60Hz         |                  |            |
| Power                          | 200W                              | 400W             |            |
| Fuse                           | 250V,2A/3A,φ5x20                  | 250V,3A/6A,φ5x20 |            |
| Dimension                      | W.285xD.225xH.95                  |                  |            |
| Net Weight(kgs)                | 2.48 kgs                          | 2.64 kgs         |            |

## OPTIONAL ACCESSORIES

| Accessory Code | Name    | Description | Capacity | For Models |
|----------------|---------|-------------|----------|------------|
| 2002331008     | Block A | 6 mm        | 42       | LTBAT23-24 |
| 2002331009     | Block B | 7 mm        | 42       | LTBAT23-24 |
| 2002331010     | Block C | 10 mm       | 20       | LTBAT23-24 |
| 2002331011     | Block D | 12 mm       | 20       | LTBAT23-24 |
| 2002331012     | Block E | 13 mm       | 20       | LTBAT23-24 |
| 2002331013     | Block F | 15 mm       | 12       | LTBAT23-24 |
| 2002331014     | Block G | 16 mm       | 12       | LTBAT23-24 |
| 2002331015     | Block H | 19 mm       | 12       | LTBAT23-24 |
| 2002331016     | Block I | 20 mm       | 6        | LTBAT23-24 |
| 2002331017     | Block J | 26 mm       | 6        | LTBAT23-24 |
| 2002331018     | Block K | 28 mm       | 4        | LTBAT23-24 |

|            |         |        |    |            |
|------------|---------|--------|----|------------|
| 2002331019 | Block L | 40 mm  | 2  | LTBAT23-24 |
| 2002331020 | Block M | 0.5 mm | 42 | LTBAT23-24 |
| 2002331021 | Block N | 1.5 mm | 24 | LTBAT23-24 |
| 2002331022 | Block O | 2.0 mm | 24 | LTBAT23-24 |
| 2002331023 | Block P | 0.2 mm | 48 | LTBAT23-24 |



LTBAT23-24



LTBAT23-25



LTBAT23-26

## LTBAT23-27 DRY BATH INCUBATOR

Fast heating speed, uniform heating, accurate temperature control, high stability, low energy consumption and no noise.

Built in temperature calibration function, automatic fault detection and buzzer alarm function.

Built in over-temperature protection device, safe and reliable, enhance the service life of the machine.

Product designed compact and tight, occupied little space. Using freer and easier.

Various blocks for convenient replacement, easy for cleaning and disinfection.



### SPECIFICATIONS

|                        |                             |
|------------------------|-----------------------------|
| Model                  | LTBAT23-27                  |
| Temp. Control Range    | 4 °C constant               |
| Temp. Setting Range    | 4°C                         |
| Temp. Stability@4°C    | ±0.5°C                      |
| Block Temp. Uniformity | ±0.5°C                      |
| Cooling Speed          | ≤10min(Depending on blocks) |
| Voltage                | AC90~230V, 50/60Hz          |
| Power                  | 100W                        |
| Fuse                   | 250V, 3A, φ5x20             |
| Dimension              | W.196 x D.270 x H.170mm     |
| Net Weight             | 3.5kgs                      |



## LTBAT23-28 MICRO-PLATE INCUBATOR

LCD display. Setting temperature and actual temperature simultaneously displayed. Diminishing time displayed.

Friendly human-machine operation interface. Streamline shape, pretty and elegant. Convenient for cleaning.

Uniformly upper & down heating for samples in micro plates. The experiment effect is exact correspondence of the setting and actual temperature.

Microprocessor controls temperature and time, good temperature control linear, small fluctuations.

2 standard ELISA plates and microplates can be placed, and sound alarm signal after the program finished.



### SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Model                     | LTBAT23-28                      |
| Temp. Control Range       | R.T.+5°C ~70°C                  |
| Temp. Setting Range       | 5°C ~70°C                       |
| Temp. Stability@37°C      | ±0.2°C                          |
| Platform Temp. Uniformity | ±0.5°C                          |
| Temp. Display Accuracy    | 0.1°C                           |
| Heating Speed             | <25min (20°C to 70°C)           |
| Time Range                | 1min~99h59min                   |
| Sample Capacity           | 2 Pieces of Plates(Height<35mm) |
| Voltage                   | AC 220V/AC 110V, 50/60Hz        |
| Power                     | 150W                            |
| Fuse                      | 250V, 1A/2A, φ5x20              |
| Dimension                 | W.284 x D.264 x H.157mm         |
| Net Weight                | 3.3kgs                          |

## LTBAT23-29 MICRO-PLATE INCUBATOR

LCD display. Setting temperature and actual temperature simultaneously displayed. Diminishing time displayed.

Friendly human-machine operation interface. Streamline shape, pretty and elegant. Convenient for cleaning.

Uniformly upper & down heating for samples in micro plates. The experiment effect is exact correspondence of the setting and actual temperature.

Microprocessor controls temperature and time, good temperature control linear, small fluctuations.

4 standard ELISA plates and microplates can be placed, and sound alarm signal after the program finished.



## SPECIFICATIONS

|                           |                                 |
|---------------------------|---------------------------------|
| Model                     | LTBAT23-29                      |
| Temp. Control Range       | R.T.+5°C ~70°C                  |
| Temp. Setting Range       | 5°C ~70°C                       |
| Temp. Stability@37°C      | ±0.2°C                          |
| Platform Temp. Uniformity | ±0.5°C                          |
| Temp. Display Accuracy    | 0.1°C                           |
| Heating Speed             | <25min (20°C to 70°C)           |
| Time Range                | 1min~99h59min                   |
| Sample Capacity           | 4 Pieces of Plates(Height<40mm) |
| Voltage                   | AC 220V/AC 110V, 50/60Hz        |
| Power                     | 250W                            |
| Fuse                      | 250V, 3A/5A, φ5x20              |
| Dimension                 | W.345 x D.310 x H.178mm         |
| Net Weight                | 4.9kgs                          |



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