

Innovative Life Sciences Tools

Thermoblock Reactor

major science supplies a quite comprehensive product range of thermoblock reactor. Since this product category is recognized as one of the most popular product lines on the market, major science continuously puts efforts on creating new instruments and improving existing products. Two modes of Elite dry bath incubator, two modes of Genius dry bath incubator, two modes of Cool-Hotter dry bath incubator, and three standard modes of Thermostirrer or customized version are contained in this product category.

Digital microprocessor control, user temperature calibration function, advanced temperature control performance are remarkable features in addition to the general characteristics, long durability, user friendly design concept and competitive pricing.

Elite Dry Bath Incubator

- EL-01-110/220 Elite Dry Bath Incubator (one block unit); without block
- EL-02-110/220 ELite Dry Bath Incubator (dual block unit); without block

Genius Dry Bath Incubator

- MD-01N-110/220 Genius Dry Bath Incubator (one block unit); without block
- MD-02N-110/220 Genius Dry Bath Incubator (dual block unit); without block

Cool-Hotter Dry Bath Incubator

- MC-01N-110/220 Cool-Hotter Dry Bath Incubator; without block
- MC-01S-110/220 Superior Cool-Hotter Dry Bath Incubator; without block

Thermostirrer

- TS-4W-110/220 Heating and Individual Stirrer Reaction Block (4 Wells)
- TS-8W-110/220 Heating and Individual Stirrer Reaction Block (8 Wells)
- TS-12W-110/220 Heating and Individual Stirrer Reaction Block (12 Wells)



Elite Dry Bath Incubator

Product Description

Elite dry bath incubator series was introduced in January 2008. There are one-block and dual-block modes available. This series is a more advanced version of dry bath incubator. Its interchangeable heating block modules can be used for a variety of applications, including restriction digests, denaturing DNA, BUN, melting agar, coagulation studies, hybridization and Hot Start thermo-cycled reaction. Due to its molded aluminum chamber, it makes Elite dry bath incubator as a mini water bath. Both models incorporate a PID controller for easy temperature selection, rapid heat up and excellent stability. Temperature may be set in 0.1°C increments from 5°C above ambient to 150°C. An optional temperature probe is available for placing directly in samples. Both temperature value and timer can be displayed on the LCD display at the same time for user's convenience. Optional Data Logging software package saves real time heating- up process to computer. The second optional software package, Function Control software package, controls dry bath incubator through computer as well as real time data recording as a comprehensive design for your specified requirement.

NEW



Cat. No. :EL-01



Cat. No. :EL-02



MD-MP01-S

For Microplate;Titerplate (Plain Block for Single Block unit only)

MD-MP02-D

For 96 wells Deep Microplate or PCR plate (for Dual Block unit only)

MD-MP02-S

For 96 wells Deep Microplate or PCR plate (for Single Block unit only)

MD-MP01-D

For Microplate;Titerplate (Dual Block unit only)

Ordering Information

- EL-01-110/220 Elite Dry Bath Incubator (one block unit); without block
- EL-02-110/220 Elite Dry Bath Incubator (dual block unit); without block

Aluminum Insert Block 79 x 104 x 50mm (W x L x H)

- MD-MP01-S For Microplate; Titerplate (Plane bottom for single block unit only)
- MD-MP02-S For 96 wells Deep Microplate or PCR plate (for single block unit only)
- MD-MP01-D For Microplate; Titerplate (for dual block unit only)
- MD-MP02-D For 96 wells Deep Microplate or PCR Plate (for dual block unit only)
- MD-B0.2 For 0.2ml tube, 64 wells (or 0.2 ml PCR Strip tube for 8 wells x 8)
- MD-B0.5 For 0.5ml tube, 20 wells
- MD-B1.5 For 1.5 or 2.0ml tube, 20 wells
- MD-B1.5V For 1.5 V-shaped tube only, 20 wells
- MD-B0.5/1.5 One side for 1.5 or 2.0ml tube, 20 wells
Another side for 0.5ml tube, 30 wells on the opposite side
- MD-B0.5+1.5 Combination: 1.5 or 2.0ml tube, 12 well and 0.5ml tube, 12 wells (On the same side)
- MD-B13 Well size: 13mm, 20 wells
- MD-B17 Well size: 17mm, For 15 ml Centrifuge tube, 12 wells
- MD-B20 Well size: 20mm, 12 wells
- MD-B25 Well size: 25mm, 6 wells
- MD-B29 For 50ml Centrifuge tube, 4 wells

● customized blocks are also available



MD-B17

For 15ml centrifuge tube, 12 wells



MD-B0.5/1.5

One Side for 1.5 or 2.0ml tube, 20 wells and another side for 0.5 ml tube, 30 wells (on the opposite side)



MD-B0.5+1.5

Combination: for 0.5ml tube, 12 wells; and for 1.5ml tube, 12 wells (on the same side)



MD-B29

For 50ml centrifuge tube, 4 wells



MD-B0.2

For 0.2ml tube, 64 wells (or 0.2ml PCR Strip tube for 8 wells x 8)



MD-B0.5

For 0.5ml tube, 20 wells



MD-B1.5

For 1.5ml tube, 20 wells



MD-B13

Well size 13mm, 20 wells



MD-B25

Well size 25mm, 6 wells



MD-B20

Well size 20mm, 12 wells

Elite Dry Bath Incubator

Features

- Microprocessor control with Digital performance
- Wide temperature control range & Great temperature controlled performance
- Rapid temperature increasing rate
- LCD Screen showing Timer and temperature simultaneously
- User Temperature calibration
- Used as a water bath
- Data Log software package available
- Function Control software package available

Specification

- Display: LCD Display
- Unit Dimension (W x L x H): 152 x 150 x 135mm for EL-01
152 x 230 x 135mm for EL-02
- Power: 200W for EL-01; 300W for EL-02
- Controller: Digital Microprocessor Controller
- Temperature Control Range: 5°C above ambient to 150°C
- Temperature Increase: 0.1°C
- Temperature Calibration: Yes
- Temperature Uniformity @ 37°C: ± 0.2°C
- Temperature Accuracy @ 37°C: ± 0.2°C
- Timer: up to 99 (hr):59 (min), continuous
- Safety Device: Leakage proof for heating chamber
- Operating Temperature: Ambient to 40°C
- Special Feature: Used as water bath incubator
- Heating Chamber: Molded aluminum chamber
- Block Material: Aluminum
- Block Type: Standard and customized types are available
- Data Log: RS 232
- Rated Voltages: 110V or 220V
- Weight: 2.1kg for EL-01; 2.8kg for EL-02

Ordering Information

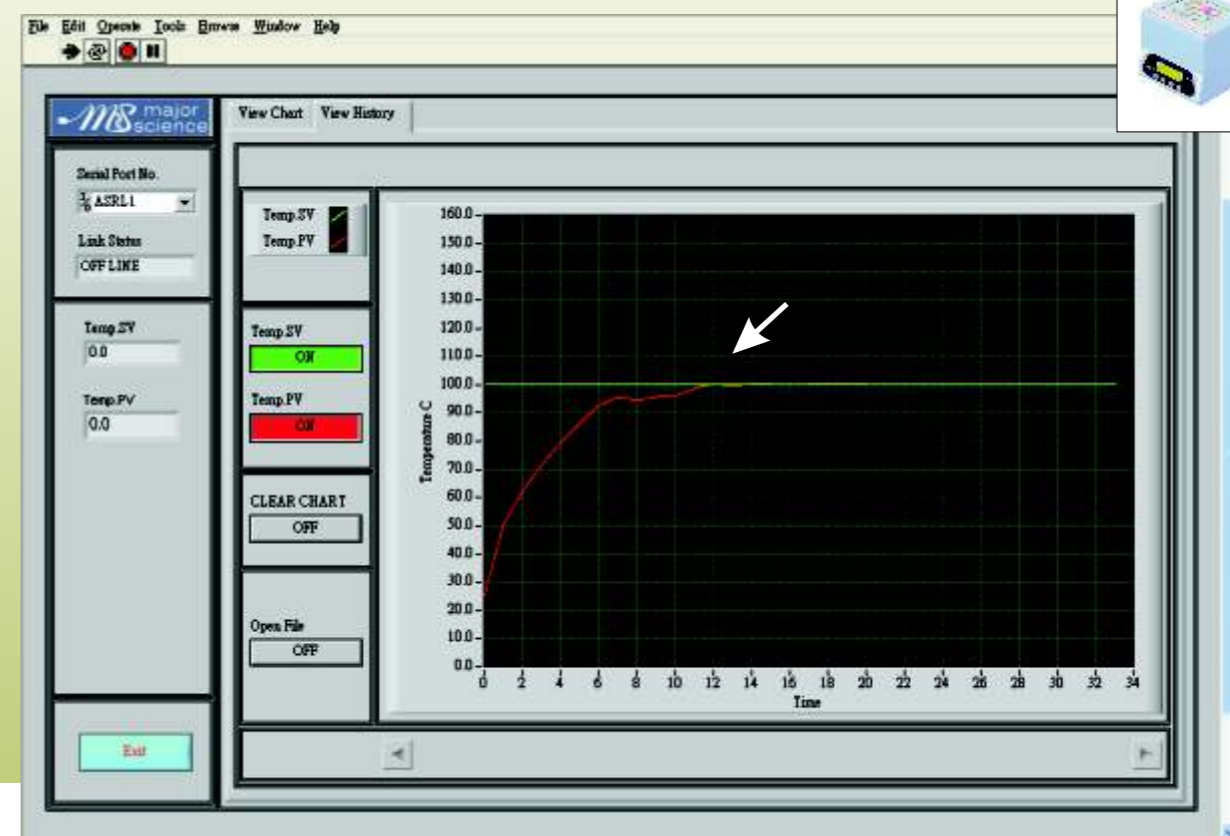
- EL-01-110/220 Elite Dry Bath Incubator (one block unit); without block
- EL-02-110/220 Elite Dry Bath Incubator (dual block unit); without block
- MD-P01 Thermocouple
- MD-RS232 RS 232 cable
- MD-DLSW Data Logging software package
- MD-PCSW Function Control software package
- MD-DLSW-R Data Logging software package, including a RS 232 cable
- MD-PCSW-R Function Control software package, including a RS 232 cable



Water bath ■

Temp. Set Value: 100°C
Initial Temp. Value: 25 °C

Block Mode: MD-B1. 5
Process Time: approx. 12mins



Temp. Set Value: 100°C
Initial Temp. Value: 34°C

Block Mode: MD-B1. 5
Process Time: approx. 14mins

