



Thermo Scientific
Dry Baths / Block Heaters

reproducible results
you can trust

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SOLUTIONS YOU CAN TRUST

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Thermo
SCIENTIFIC

Thermo Scientific Dry Baths / Block Heaters

Reliability you can depend on. Thermo Scientific™ versatile dry baths / block heaters offer a wide range of blocks to accommodate various tubes.

Available with digital or touch screen controls, **our units provide outstanding temperature uniformity and stability** that help create the reproducible results that you need.



Digital Dry Bath /
Block Heater pg 3



Touch Screen Dry Bath /
Block Heater pg 4



Compact Dry Bath /
Block Heater pg 6

Thermo Scientific Digital Dry Bath / Block Heater

Increase lab versatility with the Thermo Scientific digital dry baths / block heaters, which offer a range of configurations with interchangeable modular blocks for a variety application needs.



Range of configuration to hold 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels and applications



FEATURES

- Digital controls and display of time and temperature
- Built-in temperature sensing probe for outstanding temperature accuracy and control
- Precise temperature control with PID circuit
- Temperature calibration enables to offset the temperature to desired value
- Timer allows the user to accurately monitor the heating time
- Interchangeable aluminum alloy sample blocks provide versatility and allow for easy cleaning and disinfecting
- Powder-coated steel body construction ensures durability

APPLICATIONS

- | | |
|----------------------------|----------------------------------|
| Sample preparation | Electrophoresis gel degeneration |
| Enzyme preservation | Serum coagulation |
| Enzyme-substrate reactions | |
| DNA amplification | |

Thermo Scientific Digital Dry Baths / Block Heaters Ordering Information and Specifications*

| Cat No. | 88870001 | 88870004 | 88870002 | 88870005 | 88870003 | 88870006 |
|--------------------------------------|---|---|---|---|---|---|
| Voltage/Hz | 100-120V 50/60Hz | 200-240V 50/60Hz | 100-120V 50/60Hz | 200-240V 50/60Hz | 100-120V 50/60Hz | 200-240V 50/60Hz |
| Plugs | | | | | | |
| Block Capacity | 1 | | 2 | | | 4 |
| Controller Type | PID digital | | | | | |
| Temperature Range | Ambient + 5°C – 130°C (Ambient at 25°C) | | | | | |
| Temperature Control Accuracy at 37°C | ≤ ± 0.5°C | | | | | |
| Temperature Uniformity at 37°C | ≤ ± 1°C | | | | | |
| Timer Range | 0-99:59 min or continuous | | | | | |
| Heating Up Time | ≤ 20 min 30°C to 130°C | | | | ≤ 25 min 30°C to 130°C | |
| Relative Humidity Tolerance | ≤ 80% | | | | | |
| Dimensions L x W x H | 288 × 200 × 100 mm 11.3 x 7.9 x 3.9 in | | 318 × 200 × 100 mm 12.5 x 7.9 x 3.9 in | | 450 × 200 × 100 mm 17.7 x 7.9 x 3.9 in | |
| Weight | 2.9 kg 6.39 lbs. | | 3.3 kg 7.28 lbs. | | 4.7 kg 10.36 lbs. | |
| Fuse Protector ø5×20 | 250V 2.5A | | 250V 5A | 250V 2.5A | 250V 8A | 250V 3.15A |
| Shipment Includes: | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter |
| Required Accessories | 1 block | | 2 blocks | | 4 blocks | |
| Certification | CE cULus RoHS | | | | | |
| Warranty | 2 years | | | | | |

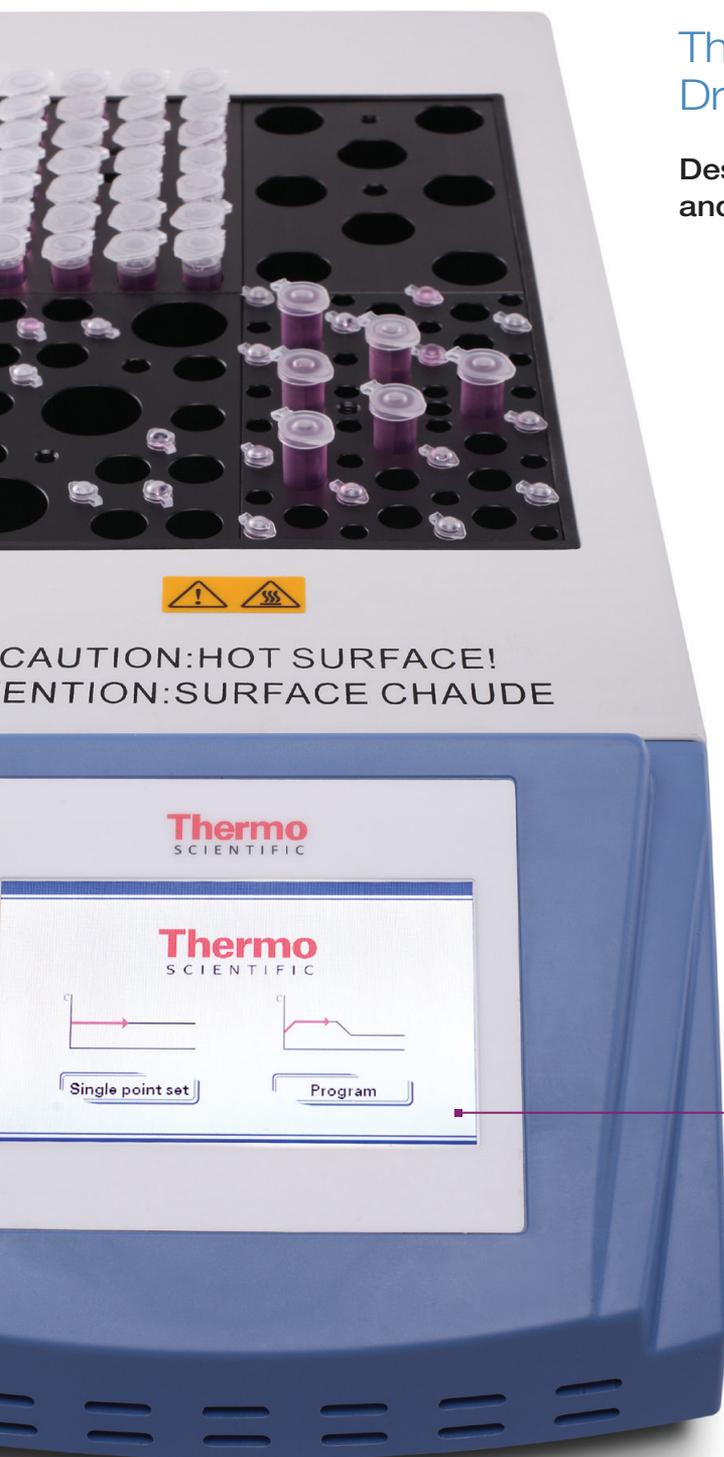
*UNIT MUST BE ORDERED WITH A BLOCK — see page 7 for ordering information

Thermo Scientific Touch Screen Dry Bath / Block Heater

Designed to achieve precise temperature stability and uniformity with an easy-to-use touch screen.

FEATURES

- Built-in temperature sensing probe designed for outstanding temperature accuracy and control
- Temperature deviation adjustment
- Precise temperature control with PID circuit
- Temperature calibration enables to offset the temperature to desired value
- Timer enables the user to accurately monitor the heating time
- Interchangeable aluminum alloy sample blocks designed to provide versatility, easy cleaning and disinfecting
- Range of configuration to hold 1, 2 and 4 interchangeable modular blocks to accommodate a variety of vessels and applications
- Powder-coated steel body construction ensures durability
- When the external temperature sensor is connected, the internal temperature sensor will disconnect automatically, allowing the temperature control and display to rely on the external temperature sensor



Easy-to-use touch screen control displays time and temperature

10 user setting programs, each supports up to 5 sequential steps of different temperatures and duration times

Built in over-temperature protection device is designed to provide reliable operation

APPLICATIONS

Sample preparation
Enzyme preservation
Enzyme-substrate reactions

DNA amplification
Electrophoresis gel degeneration
Serum coagulation

Thermo Scientific Touch Screen Dry Baths / Block Heaters

Ordering Information and Specifications*



Optional PT 1000
temperature probe



| Cat No. | 88870007 | 88870010 | 88870008 | 88870011 | 88870009 | 88870012 |
|--------------------------------------|---|---|---|---|---|--|
| Voltage/Hz | 100-120V 50/60Hz | 200-240V 50/60Hz | 100-120V 50/60Hz | 200-240V 50/60Hz | 100-120V 50/60Hz | 200-240V 50/60Hz |
| Plugs | | | | | | |
| Block Capacity | 1 | | 2 | | 4 | |
| Controller Type | PID Digital | | | | | |
| Temperature Range | Ambient + 5°C – 130°C (Ambient at 25°C) | | | | | |
| Temperature Control Accuracy at 37°C | ≤ ± 0.5°C | | | | | |
| Temperature Uniformity at 37°C | ≤ ± 1°C | | | | | |
| Timer Range | 0-99:59 min or continuous | | | | | |
| Heating Up Time | ≤ 20 min 30°C to 130°C | | | | ≤ 25 min 30°C to 130°C | |
| Relative Humidity Tolerance | ≤ 80% | | | | | |
| Dimensions L x W x H | 373 × 200 × 100 mm 14.7 x 7.9 x 3.9 in | | 403 × 200 × 100 mm 15.9 x 7.9 x 3.9 in | | 535 × 200 × 100 mm 21.1 x 7.9 x 3.9 in | |
| Weight | 3.4 kg 7.5 lbs. | | 3.7 kg 8.16 lbs. | | 5.1 kg 11.24 lbs. | |
| Fuse Protector ø5×20 | 250V 2.5A | | 250V 5A | 250V 2.5A | 250V 8A | 250V 3.15A |
| Shipment Includes: | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter | Dry bath, US style plug, block lifter | Dry bath, CN, EU & UK plugs, block lifter |
| Required Accessories | 1 block | | 2 blocks | | 4 blocks | |
| Certification | CE cULus RoHS | | | | | |
| Warranty | 2 years | | | | | |

*UNIT MUST BE ORDERED WITH A BLOCK — see page 7 for ordering information



Digital temperature controls and display



Small footprint and lightweight

Thermo Scientific Compact Dry Bath / Block Heater

Maximize valuable bench space with our compact, light weight dry bath / block heater, available with multiple combinations of block sizes for tube size versatility.

FEATURES

- Built-in temperature-sensing probe assists with outstanding temperature accuracy and control
- Designed for precise temperature control
- Fast heating rate
- Multiple combination of different size of blocks allows for maximum tube size versatility during experimental procedure
- 12V low voltage power input

APPLICATIONS

Sample preparation
Enzyme preservation
Enzyme-substrate reactions
DNA amplification

Thermo Scientific Compact Dry Bath / Block Heater

Ordering Information and Specifications*

| Cat No. | 88871001 | 88871003 | 88871002 | 88871004 |
|--|--|--|--|--|
| Plugs | | | | |
| Name | Compact Dry Bath S | | Compact Dry Bath D | |
| Voltage | 100 - 240V | | | |
| Temperature Range | Ambient + 2°C – 100°C (Ambient at 25°C) | | | |
| Temperature Control Accuracy at 37°C | ± 0.5°C | | | |
| Temperature Uniformity at 37°C | ± 0.5°C | | | |
| Average Heating Rate (30°C to 100°C, Ambient at 25°C, with one 0.2 ml block) | 16 minutes | | 20 minutes | |
| Dimensions L x W x H | 185 x 185 x 25 mm 7.3 x 7.3 x 1 in | | 200 x 200 x 25 mm 7.9 x 7.9 x 1 in | |
| Weight | <1 kg 2.2 lbs. (without blocks) | | <1.5 kg 3.3 lbs. (without blocks) | |
| Power | 12V DC, 5A | | 12V DC, 7A | |
| Shipment Includes: | Dry bath, US style plug, block lifter, plastic lid | Dry bath, CH, EU & UK style plugs, block lifter, plastic lid | Dry bath, US style plug, block lifter, plastic lid | Dry bath, CH, EU & UK style plugs, block lifter, plastic lid |
| Required Accessories | Full, half or quarter blocks (see page 7) | | | |
| Certification | CE cTUVus RoHS | | | |
| Warranty | 2 years | | | |

*UNIT MUST BE ORDERED WITH A TUBE BLOCK — see page 7 for ordering information

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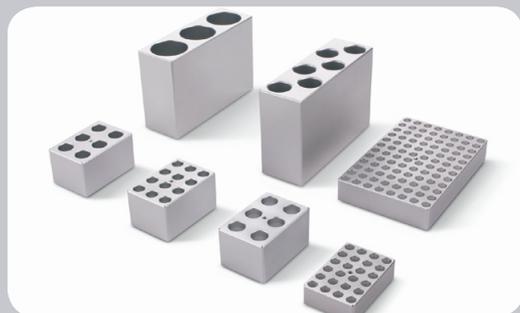
ACCESSORIES Thermo Scientific Digital and Touch Screen Dry Baths / Block Heaters

| | Cat. No. | Description | Max Tubes | Block Dimensions WxDxH (mm / in) | | Cat. No. | Description | Max Tubes | Block Dimensions WxDxH (mm / in) |
|--|----------|-------------------------|-----------|----------------------------------|---|----------|--|------------|-----------------------------------|
|  | 88870101 | 46 x ø6 mm block | 46 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870112 | Mixed block 32 x ø6 mm + 21 x ø10 mm | 32 + 21 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |
|  | 88870102 | 28 x ø10 mm block | 28 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870113 | Mixed block 18 x 1.5 ml + 10 x 2.0 ml | 18 + 10 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |
|  | 88870103 | 28 x 1.5 ml block | 28 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870114 | Mixed block 3 x ø25 mm+ 12 x ø12~13 mm+ 6 x ø6 mm | 3 + 12 + 6 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |
|  | 88870104 | 28 x 2.0 ml block | 28 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870115 | Mixed block 30 x 0.5 ml + 20 x 0.2 ml | 30 + 20 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |
|  | 88870105 | 24 x ø13 mm block | 24 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870116 | Flat bottom, 15 x 15 ml block | 15 | 124 x 76 x 113 / 4.9 x 3.0 x 4.55 |
|  | 88870106 | 15 x ø16 mm block | 15 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870117 | Flat bottom, 4 x 50 ml block | 4 | 124 x 76 x 113 / 4.9 x 3.0 x 4.55 |
|  | 88870107 | 12 x ø18 mm block | 12 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870118 | Conical bottom, 15 x 15 ml block | 15 | 124 x 76 x 113 / 4.9 x 3.0 x 4.55 |
|  | 88870108 | 8 x ø20 mm block | 8 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870119 | Conical bottom, 4 x 50 ml block | 4 | 124 x 76 x 113 / 4.9 x 3.0 x 4.55 |
|  | 88870109 | 6 x ø25 mm block | 6 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870120 | 1 x 96-well 0.2 ml non-skirted PCR plate block | 96 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |
|  | 88870110 | 40 x 0.5 ml block | 40 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870121 | 1 x 96-well 0.2 ml, half or full skirted PCR plate block | 96 | 124 x 76 x 55 / 4.9 x 3.0 x 2.17 |
|  | 88870111 | 1 x 96-well Elisa block | 96 | 124 x 76 x 39 / 4.9 x 3.0 x 1.5 |  | 88870122 | Temperature probe, PT1000, stainless steel | N/A | N/A |

ACCESSORIES

Thermo Scientific Compact Dry Bath / Block Heater

| Cat. No. | Description | Max Tubes | Dimensions WxDxH (mm / in) |
|----------|--------------------------------|-----------|----------------------------------|
| 88871101 | 0.2 ml 1/4 block | 24 | 54 x 36 x 15 / 2.1 x 1.4 x 0.6 |
| 88871102 | 0.5 ml 1/4 block | 12 | 54 x 36 x 30 / 2.1 x 1.4 x 1.2 |
| 88871103 | 1.5 ml 1/4 block | 6 | 54 x 36 x 30 / 2.1 x 1.4 x 1.2 |
| 88871104 | 2.0 ml 1/4 block | 6 | 54 x 36 x 30 / 2.1 x 1.4 x 1.2 |
| 88871105 | 15 ml 1/2 block | 6 | 108 x 36 x 72 / 4.3 x 1.4 x 2.8 |
| 88871106 | 50 ml 1/2 block | 3 | 108 x 36 x 72 / 4.3 x 1.4 x 2.8 |
| 88871107 | 96-well/flat bottom full block | 96 | 108 x 72 x 18 / 4.3 x 2.8 x 0.7 |
| 88871108 | Heat insulator for Compact S | N/A | 143 x 107 x 80 / 5.6 x 4.2 x 3.2 |
| 88871109 | Heat insulator for Compact D | N/A | 179 x 143 x 80 / 7.0 x 5.6 x 3.2 |
| 88871110 | Plastic lid for Compact S | N/A | 122 x 86 x 40 / 4.8 x 3.4 x 1.6 |
| 88871111 | Plastic lid for Compact D | N/A | 158 x 122 x 30 / 6.2 x 4.8 x 1.2 |





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