



Dry Block Heater

Supplied by Thermoline

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Dry Block Heater

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The Thermoline Dry Block Heater is designed to provide uniform dry heating of various shapes and sizes of tubes and vials featuring a wide temperature range from ambient +5°C to 150°C.

Heating blocks provide a safe, convenient and productive alternative to heating mantles and hotplates for accurate heating of PCR tubes, PCR strips, microcentrifuge tubes, microplates and cuvettes. Also known as a dry bath, the heated aluminium blocks allow for superior temperature stability and provide reliable and repeatable results.

- **Models available:**

Thermoline supply three sizes of dry block heater (one, two and four block units).



- **Solid Aluminium Blocks:**

With 30 different block configurations available, you can be sure that there's a standard block to suit your requirements.

- **Digital Controller:**

The dry block heaters have LED controllers with a display accuracy of 0.1°C. The easy-to-use controls and bright LED display allow the user to set parameters such as temperature, calibration and timer options.



- **External Thermometer:**

The dry block heaters also have an external PT1000 sensor that can be used in place of the internal temperature sensor. Upright rod and clamp optional.



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Dimensions

(WxDxHmm)	TDB-1-4E	TDB-2-4E	TDB-4-4E
External	152x190x86	152x300x86	152x465x86
Internal	96x77x51	96x153x51	96x305x51
Block (each)	95x76x51		

Technical Specifications

Block Capacity	1	2	4
Temperature Range	Ambient +5°C to +150°C		
LED Display Resolution	0.1°C		
Temperature Stability within the Blocks	+/-0.5°C < 60°C +/-1.0°C > 60°C		
Temperature Uniformity	+/-0.2°C < 60°C +/-0.2°C > 60°C	+/-0.5°C < 60°C +/-0.5°C > 60°C	+/-0.5°C < 60°C +/-1.0°C > 60°C
Heat up rate (external sensor) K/min	5	4.5	4
Timer Setting Range	1 min - 99h 59min		
Electrical	165W/230V	250W/230V	430W/230V
Weight	1.5kg	2.5kg	7.5kg
Support Rod and Clamp	Optional	Optional	Optional

Safety

Over Temperature Safety	180°C		
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Block Code	Description
TAB-35-4E	Single block, Eppendorf tubes, 20 x 1.5mL, Ø11.5mm x 36.9mm
TAB-54-4E	Single block, Conical tubes, 12 x 15ml, Ø17.1mm x 44.5mm
TAB-55-4E	Single block, vials, 6 x 50ml Ø29.0 x 47.6mm
TAB-60-4E	Single block, PCR tube, 30 x 0.5mL, Ø7.9mm x 27.6mm
TAB-61-4E	Single block, microtube combination, 6/10/5 x 0.5/1.5/2ml
TAB-62-4E	Single block, Microtubes, 20 x 1.5mL, Ø11.1mm x 39.1mm
TAB-63-4E	Single block, Eppendorf tubes, 20 x 2.0ml, Ø11.5mm x 38.1mm
TAB-64-4E	Single block, Corning tubes, 20 x 2.0ml, Ø10.9mm x 38.1mm
TAB-66-4E	Single block, centrifuge tube combination, 4/3/2 x 1.5/15/50ml
TAB-67-4E	Single block, Round tubes, 30 x 6mm, Ø8.3mm x 48.4mm
TAB-68-4E	Single block, Round tubes, 24 x 10mm, Ø10.7mm x 48.4mm
TAB-69-4E	Single block, Round tubes, 16 x 12/13mm, Ø13.9mm x 48.4mm
TAB-70-4E	Single block, Round tubes, 20 x 12/13mm, Ø13.9mm x 48.4mm
TAB-71-4E	Single block, Round tubes, 12 x 15/16mm, Ø17.5mm x 48.4mm
TAB-72-4E	Single block, Round tubes, 8 x 20mm, Ø21mm x 48.4mm
TAB-73-4E	Single block, Round tubes, 6 x 25mm, Ø26.2mm x 48.4mm
TAB-74-4E	Single block, Round tubes, 4 x 35mm, Ø35mm x 47.6mm
TAB-75-4E	Single block, Round tubes, 12 x 17/18mm, Ø19.1mm x 48.4mm
TAB-76-4E	Single block, vials, 20 x 12mm, Ø12.7mm x 30mm
TAB-77-4E	Single block, vials, 20 x 15mm, Ø15.8mm x 35mm
TAB-78-4E	Single block, vials, 12 x 17mm, Ø17.8mm x 45mm
TAB-79-4E	Single block, vials, 12 x 19mm, Ø19.7mm x 45mm
TAB-80-4E	Single block, vials, 9 x 21mm, Ø21.7mm x 45mm
TAB-81-4E	Single block, vials, 8 x 23mm, Ø23.8mm x 45mm
TAB-82-4E	Single block, vials, 8 x 25mm, Ø25.8mm x 45mm
TAB-83-4E	Single block, vials, 6 x 28mm, Ø28.8mm x 45mm
TAB-84-4E	Single block, vials, 15 x 16mm, Ø16.4mm x 45mm
TAB-85-4E	Single block, 10x8 PCR tube strips, 0.2ml tubes
TAB-86-4E	Single block, 64 PCR tube strips, 0.2ml tubes
TAB-88-4E	Single block, 2x6 cuvettes, 12.5mm

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