IKA

designed for scientists

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SELECTION GUIDE | THE RIGHT BLOCK FOR YOUR APPLICATION

Dry Block Heaters

/// Modular heating blocks

IKA dry block heaters are highly versatile and each model can accept separate interchangeable modular heating blocks. They can carry various sample inserts like centrifuge tubes, test tubes, vials, microtitre plates and PCR tubes or strips. Each block has a thermometer well for measuring the block temperature. Anodized aluminum blocks provide superior temperature stability and heat transfer.

Product	Hole size (mm)	Suitable for	No. of holes	Hole depth (mm)	Ident. No.
MICRO CENTRIFUGE TUBES					
DB 1.1 Single block*	Ø 7.9	PCR tubes (0.5 ml)	30	27.6	0004467600
DB 1.2 Single block*	Ø 11.5	Microcentrifuge tubes (1.5 ml)	20	36.9	0004467700
DB 1.3 Single block*	Ø 11.1	Microcentrifuge tubes (1.5 ml)	20	39.1	0004467800
DB 1.4 Single block*	Ø 10.9	Microcentrifuge tubes (2.0 ml)	20	38.1	0004467900
DB 1.5 Single block*	Ø 10.9	Microcentrifuge tubes (2.0 ml)	20	38.1	0004468000
CONICAL BOTTOM CENTRIFUGE TUBES					
DB 2.1 Single block*	Ø 17.1	Conical centrifuges tube (15 ml)	12	44.5	0004468100
DB 2.2 Single block*	Ø 29.0	Conical centrifuge tubes (50 ml)	5	47.6	0004468200
COMBINATION BLOCKS					
DB 3.1 Single block*	Ø 8.3 / 13.9 / 26.2	Test tube combination, 6 / 12 / 13 / 25 mm	6 / 5 / 3	48.4 / 48.4 / 48.4	0004468300
DB 3.2 Single block*	Ø 11.1 / 17.1 / 29.0	Centrifuge tube combination, 1.5 / 15 / 50 ml	4 / 3 / 2	39.1 / 44.5 / 47.6	0004468400
DB 3.3 Single block*	Ø 7.9 / 11.1 / 11.5	Microcentrifuge tube combination, 0.5 / 1.5 / 2.0 ml	6 / 10 / 5	27.6 / 39.1 / 38.1	0004468500
STANDARD TEST TUBES					
DB 4.1 Single block*	Ø 8.3	Round bottom tubes (6 mm)	30	48.4	0004468600
DB 4.2 Single block*	Ø 10.7	Round bottom tubes (10 mm)	24	48.4	0004468700
DB 4.3 Single block*	Ø 13.9	Round bottom tubes (12/13 mm)	16	48.4	0004468800
DB 4.4 Single block*	Ø 13.9	Round bottom tubes (12/13 mm)	20	48.4	0004468900
DB 4.5 Single block*	Ø 17.5	Round bottom tubes (15/16 mm)	12	48.4	0004469000
DB 4.6 Single block*	Ø 21.0	Round bottom tubes (20 mm)	8	48.4	0004469100
DB 4.7 Single block*	Ø 26.2	Round bottom tubes (25 mm)	6	48.4	0004469200
DB 4.8 Single block*	Ø 35.0	Round bottom tubes (35 mm)	4	47.6	0004469300
DB 4.9 Single block*	Ø 19.1	Round bottom tubes (17/18 mm)	12	48.4	0004469400

* Dimensions (W × H × D): 95 × 76 × 51 mm

DB 1.1 Single block
Suitable for:
PCR tubes

DB 2.1 Single block
Suitable for:
Conical tubes

DB 3.2 Single block
Suitable for:
Different reaction vials

DB 4.4 Single block
Suitable for:
Standard test tubes

Product	Hole size (mm)	Suitable for	No. of holes	Hole depth (mm)	Ident. No.
MICRO CENTRIFUGE TUBES					
DB 5.1 Single block*	Ø 12.7	12 mm vials	30	30	0004469500
DB 5.2 Single block*	Ø 15.8	15 mm vials	20	35	0004469600
DB 5.3 Single block*	Ø 17.8	17 mm vials	12	45	0004469700
DB 5.4 Single block*	Ø 19.7	19 mm vials	12	45	0004469800
DB 5.5 Single block*	Ø 21.7	21 mm vials	9	45	0004469900
DB 5.6 Single block*	Ø 23.8	23 mm vials	8	45	0004470000
DB 5.7 Single block*	Ø 25.8	25 mm vials	8	45	0004470100
DB 5.8 Single block*	Ø 28.8	28 mm vials	6	45	0004470200
DB 5.9 Single block*	Ø 16.4	16 mm vials	15	45	0004470300
PCR – PLATES, TUBES, STRIPS					
DB 6.1 Single block*	Ø 6.4	10 × 8 individual PCR tube strips (0.2 ml tubes)	80	15.5	0004470400
DB 6.2 Single block*	Ø 6.4	64 × individual PCR tubes (0.2 ml tubes)	64	20.2	0004470500
DB 6.3 Double block**	Ø 19.1	1 × 96 – well PCR plate (0.2 ml tubes)	96	15.5	0004470600
DB 7.1 Double block**	–	96 – or 384 – well plate	–	13.5	0004470800
DB 8.1 Single block*	–	2 × 6 cuvettes (12.5 mm)	–	25.4	0004470700

* Dimensions (W × H × D): 95 × 76 × 51 mm ** Dimensions (W × H × D): 95 × 152 × 51 mm

DB 5.9 Single block
Suitable for:
16 mm vials

DB 6.3 Double block
Suitable for:
PCR-plates, tubes, strips

DB 8.1 Single block
Suitable for:
Cuvettes

DB 7.1 Double block
Suitable for:
Microtitre plates

PT 1000.60
Ident. No. 0003516800

PT 1000.90
Ident. No. 0004480600

	PT 1000.60	PT 1000.90
Probe type	Immersion probe	Immersion probe
Sensor type	PT 1000 (DIN IEC 751 Class A)	PT 1000 (DIN IEC 751 Class A)
Accuracy of temperature measurement	± (0.15 + 0.2 % o.Mv.*[1]) K	± (0.15 + 0.2 % o.Mv.) K
Response time t9/10	10 sec	10 sec
Temperature measuring range min.	-50 °C	-10 °C
Temperature measuring range max.	+400 °C	TB (class 1); TWB (class 2)
Material of probe tube	Stainless steel 1.4571	Stainless steel 1.4571
Coating of probe tube	–	SafeCoat
Diameter of probe tube	3 mm	3.2 mm
Length of probe tube	230 mm	230 mm
Immersion depth min.	25 mm	25 mm
Cable length	1.000 mm	1.000 mm
Probe connection	DIN 45322	DIN 45322

Temperature sensor

*[1] of measured value

FEATURES

> A wide range of interchangeable heating blocks to fit varieties of sample tubes and plates
> Temperature display for the actual / set-point temperatures, up / down arrow keys for set-point control
> Timer display for accurate and reproducible conditions, up / down arrow keys for set-point control
> C / T selector button for choosing between the counter and timer function
> External probe for accurate temperature control
> Threaded hole for a stand

IKA DRY BLOCK HEATERS ARE HIGHLY VERSATILE AND SUITABLE FOR A BROAD RANGE OF APPLICATIONS

> DNA extractions
> DNA analysis
> Melting point determination
> Boiling point determination
> Immunoassays
> Enzyme reactions
> Enzymatic processes
> Enzyme activity studies
> In situ hybridization
> Blood-urea-nitrogen determinations
> Nucleic acid hybridization
> Coagulation studies
> Biochemical processes
> Incubation and activation of cultures
> Blood examinations

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IKA-Werke GmbH & Co. KG
Janke & Kunkel-Straße 10, 79219 Staufen, Germany
Phone: +49 7633 831-0
eMail: sales@ika.de

www.ika.com

IKAworldwide // #lookattheblue