WOLF LABORATORIES

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Grant Block Heater PCB Cooler

Product Overview

For applications between +4°C and room temperature.

PCB2 accommodates interchangeable tube blocks, or small beakers, flasks, microplates; assorted accessory blocks for tube diameters from 0.2ml to 29mm.

Product Features

Universal features coolers

- push button setting and digital display for ease and reproducibility of temperature setting
- microprocessor temperature control
- large temperature display for clear visibility
- compact and with a small footprint, personal benchtop coolers are convenient and effective

PCB2 block cooler/heater incubator

- convertible - for use either as a cooled dry block system or a cooled incubator
- temperature range +4°C to ambient
- large open well accommodates 2 standard dry blocks (not included)
- accommodates small beakers and flasks or up to three standard microplates when stacked
- Peltier effect heat pumps do not use compressors or CFC's
- well is watertight, functions as a small refrigerated bath
- supplied with:
  domed plastic lid
  block extraction tool for easy and safe removal of the blocks

Product Specifications

			PHC19	PCB2
Type			block cooler/heater	block cooler, cooled incubator
Temperature range	min./max.	°C	-19 or 39 below ambient / 69	4 in ambient of 26 / ambient
Stability (block or air)		°C	±0.5	±0.5
Internal dimensions (well)	w/d/h	mm	57/87/37	154/97/57
External dimensions	w/d/h	mm	295/240/180	295/240/180
Electrical power	230V 50/60Hz	W	100	100

Product Applications

- ideal for maintaining the 14°C temperature used in ligation reactions or 17°C for storing oocytes
- cooling blood samples prior to coagulation testing
- maintaining samples at ice bucket temperatures, without the mess of melted ice
- storing samples from ambient to 4°C

Product Accessories

- PCAR, rack to accommodate 21 × 1.5ml microcentrifuge tubes
- **interchangeable blocks are available:**

Block dimensions:	
Standard	76 × 95 × 51 w/l/h
BB-D02	95 × 153 × 25 w/l/h
Slide blocks	a water reservoir is machined on the top surface

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Grant Block Heater PCH Cooler & Heater

Product Overview

For applications from -10°C to 100°C.

Choice of models with fixed block for 1.5ml and 0.5ml microtubes.

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Product Applications

Suitable for cooling and heating applications in many different fields, with specific applications including:

- storing frozen restriction enzymes
- nick translations
- ligation reactions
- restriction digests
- protein solubilisation for PAGE
- warm incubation of microcentrifuge tubes for hybridisation
- cooling blood samples prior to coagulation testing
- enzyme reactions and deactivations

The PCH is a very effective tool for DNA sample preparation for denaturing electrophoresis. The exceptionally rapid heat up enables the denaturation temperature of 95°C to be reached swiftly, the timer will signify denaturation time-up, and the samples can be rapidly cooled again ready to load the gels.

Product Specifications

			PCH-1	PCH-2
Temperature range		°C	-10 to 100	
Stability		±°C	0.2	
Uniformity	@10°C	±°C	0.5	
Setting resolution		°C	0.1	
Heat-up rate	RT to 100°C	°C/min	>10	
Cool-down rate	100°C to RT	°C/min	>10	
	RT to -10°C	°C/min	>2	
Capacity	microtubes		12 × 1.5ml plus 20 × 0.5ml	20 × 1.5ml
Overall dimensions	w/d/h	mm	225/195/161	
Input voltage		V	220 – 240	
Input type			ac (50 – 60Hz)	
Input current		A	0.5	

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Grant Block Heater Cooled PHC-2

Product Overview

For applications within the range -19 to 69°C.

PCH19 accommodates interchangeable tube blocks for 1.5ml and 0.5ml microtubes.

Product Features

Universal features coolers

- push button setting and digital display for ease and reproducibility of temperature setting
- microprocessor temperature control
- large temperature display for clear visibility
- compact and with a small footprint, personal benchtop coolers are convenient and effective

PHC19, block cooler/heater

- heating and cooling dry block system
- temperature range -19°C to +69°C
- rapid heating and cooling for swift change of application - increased flexibility
- heat/cool switch allows a 'hot' and a 'cold' temperature to be set, for easy switching between the two
- dry heating and cooling system ensures a clean working environment, with less chance of contamination or sample dilution
- supplied with:
  two interchangeable aluminium blocks each to accommodate 14 x 1.5 ml microcentrifuge tubes.
  block extraction tool for easy and safe removal of the blocks.
  flat plastic lid

Product Applications

- storing frozen restriction enzymes
- nick translation or ligation reactions
- cool blood samples prior to coagulation
- warm incubation of microcentrifuge tubes for hybridisation

Product Specifications

			PHC19	PCB2
Type			block cooler/heater	block cooler, cooled incubator
Minimum temperature		**°C**	-19[1]	4[2]
Maximum temperature		**°C**	69	ambient
Stability		**°C**	±0.5	±0.5
Well dimensions	**w/d/h**	**mm**	57/87/37	154/97/57
External dimensions	**w/d/h**	**mm**	295/240/180	295/240/180
Electrical power	**230V 50/60Hz**	**W**	100	100

[1]39°C below ambient
[2]in ambient 26°C

Product Accessories

Alternative aluminium blocks are available:

Order ref.	Tube type	Holes per block
PB-E1	1.5ml	14
PB-E0	0.5ml	14
PB-E01	combination block	
	1.5ml	7
	0.5ml	7

Block dimensions: 56 × 83 × 38mm