

# Dry block heating/cooling systems

## PCH-1, PCH-2 and PCH-3

Compact, flexible, easy to use systems for rapid heating and cooling of microtubes; very effective tools for DNA/RNA sample preparation techniques.

- Cooling/heating setting range from  $-10^{\circ}\text{C}$  to  $100^{\circ}\text{C}$ , with very rapid cool down and heat-up times
- Stability  $\pm 0.1^{\circ}\text{C}$
- Choice of three models: capacity for up to 32 microtubes in a combination of two sizes (PCH-1) or up to 20 microtubes of one size (PCH-2 and PCH-3)
- Convenient integral reaction timer with audible alarm



### Model PCH-1 shown

**PCH-1** Block holds a combination of two microtube sizes simultaneously – up to a total of 32 tubes: 12 x 1.5ml plus 20 x 0.5ml

**PCH-2** up to a total of 20 x 1.5ml microtubes

**PCH-3** up to a total of 20 x 2ml microtubes

**Rapid DNA denaturation** at  $95^{\circ}\text{C}$  quickly achieved

**DNA denaturation techniques** further supported with an audible alarm for denaturation 'time-up'; samples can then be quickly cooled

**Ingenious block construction**, combined with powerful Peltier cooler, produces very rapid heating and cooling

**Dry temperature control system** maintains clean and aerosol-free environment

**2-line LCD display** clearly indicates both set and actual values for temperature and time




**Simple push button** combinations for easy set-up



### Applications:

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

PCH dry block heating/cooling systems – models and specifications

		PCH-1	PCH-2	PCH-3
		 <p>h: 165mm d: 260mm w: 240mm weight: 3.2kg</p>	 <p>h: 165mm d: 260mm w: 240mm weight: 3.2kg</p>	 <p>h: 165mm d: 260mm w: 240mm weight: 3.2kg</p>
Block dimensions	mm	100 x 110		
Temperature setting range	°C	-10 to 100		
Temperature control range	°C	ambient -30 to 100		
Stability	±°C	0.1		
Setting resolution	°C	0.1		
Temperature display		2 line x 16 character LCD		
Heat up time	25°C to 37°C °C/min	3		
	25°C to 100°C °C/min	16		
Cool down time	100°C to -10°C °C/min	28		
	25°C to -10°C °C/min	21		
Capacity	microtubes ml	12 x 1.5 plus 20 x 0.5	20 x 1.5	20 x 2.0
Timer		1 min to 96 hrs / non-stop		
External power supply		Input AC 120-230V, 50/60Hz Output DC 12V		
Input voltage	V dc	12		
Power consumption	W	55 (4.4A)		



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**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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