

# 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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