

Dry blocks for heating and cooling » PCH-1, PCH-2 and PCH-3

Dry block for heating and cooling

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°C to 100°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°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

Dry blocks for heating and cooling » PCH-1, PCH-2 and PCH-3 » Technical specifications

Dry blocks for heating and cooling – Technical 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)		