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Dry block heating/cooling systems



PCH-1 and PCH-2

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

- Cooling/heating range from - 10° to 100°C, with very rapid cool down and heat-up times
- Stability $\pm 0.2^\circ\text{C}$, uniformity $\pm 0.5^\circ\text{C}$
- Choice of two 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)
- Convenient integral reaction timer with audible alarm

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



Model PCH-1

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

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

Typical applications include: freezing restriction enzymes for storage, 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.

Dry block heating/cooling systems » Models and specifications

Dry block heating/cooling systems – models and specifications

Temperature range		PCH-1	PCH-2
- 10 – 100°C		 h: 161 mm d: 195 mm w: 225 mm	 h: 161 mm d: 195 mm w: 225 mm
Block dimensions	mm	100 x 110	
Temperature range	°C	- 10 to 100	
Stability	°C	± 0.2	
Uniformity	@ 10°C °C	± 0.5	
Setting resolution	°C	0.1	
Temperature display		2 line x 16 character LCD	
Heat up rate	room temperature to 100°C °C/min	> 10	
Cool down rate	100°C to room temperature °C/min	> 10	
	room temperature to - 10°C °C/min	> 2	
Heat up time	room temperature to 100°C min	< 10	
Cool down time	100°C to room temperature min	< 12	
	room temperature to - 10°C min	< 11	
Capacity	microtubes	12 x 1.5 ml plus 20 x 0.5 ml	20 x 1.5 ml
Timer		1 min to 96 hrs	
Power	W	200	
Supply voltage	V	220 to 240 (50-60 Hz)	
Input current	A	0.5	