

# Temperature Performance Eppendorf ThermoStat™ C with individual Eppendorf SmartBlocks

With the new generation of the Eppendorf ThermoStat individual data regarding the temperature performance are available for each Eppendorf SmartBlock. Detailed specifications are listed below:

## Eppendorf ThermoStat™ C with Eppendorf SmartBlock

	0.5 ml	1.5 ml	2.0 ml	cryo	12 mm	PCR 96	PCR 384	Plates	5 ml	15 ml	50 ml
Minimum temperature below ambient temperature	max. 28 °C			max. 27 °C		max. 30 °C		max. 27 °C		max. 22 °C	max. 23 °C
Max. temperature accuracy 20–45 °C				+/- 0.5 °C						+/- 1 °C	
Max. temperature accuracy <20 °C and >45 °C				+/- 1 °C				+/- 3 °C		+/- 2 °C	
Max. temperature homogeneity 20–45 °C						+/- 0.5 °C					
Max. homogeneity <20°C or >45°C				+/- 1 °C						+/- 2 °C	
Max. heating rate (in °C/min)	7.5 °C	6.5 °C	7 °C	7.5 °C	7 °C	7 °C	9 °C	8.5 °C	6.5 °C	4.5 °C	4.5 °C
Max. cooling rate above ambient temperature (in °C/min)	5.5 °C	5 °C		5.5 °C		4.5 °C	5.5 °C	6 °C	4.5 °C	3.5 °C	4 °C
Max. cooling rate below ambient temperature (in °C/min)				2.5 °C				3 °C		2 °C	1.5 °C

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