

Thermal Blocks

Quanta Biotech's thermal blocks are run by Quad Engine Drive technology. This consists of four independent Thermal Engines each with its own control sensor, allowing for better uniformity, linear gradients of up to 30°C, and performance is unaffected by different sample loading.

Our simple system allows you to change the blocks within your thermal cycler in seconds, with no tools required. We have a choice of eight different thermal blocks; gradient, standard and high performance solid silver gradient block and 96 well, combi 0.2/0.5ml flat block or 384 well versions. Each block is nickel coated aluminium or gold coated silver for easy decontamination.

All of our thermal cycler blocks have an embedded intelligent heat sink temperature monitor to prevent system overheat

Features

- Quad engine drive technology
- Ramp rates up to 5°Cs-1
- Uniformity better than +/- 0.40°C within 15 seconds
- Linear gradients of up to 30°C
- easy decontamination
- Heat sink temperature monitor
- Choice of eight different thermal blocks
- Tool less block interchange
- Easy decontamination

Thermal Block Specification

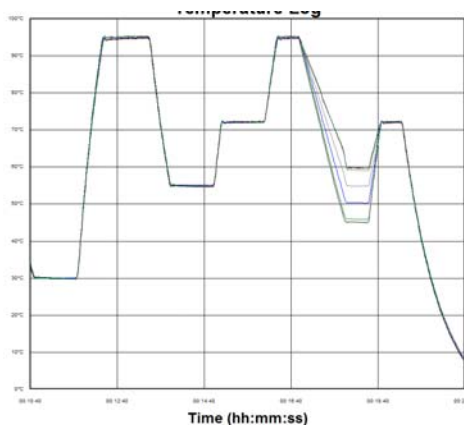
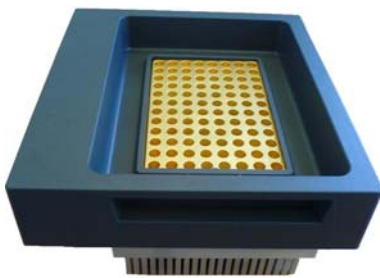
Temperature range, °C	4 to 99 with tube and microplate control algorithms
Ramp Rates	up to 50°Cs-1
Uniformity	+/- 0.40°C within 15 seconds
Gradient	up to 30°C
Traceability	Calibration using NIST traceable standards
Block material	Gold coated Silver or Nickel coated Aluminium
Block interchange	No tools required
Varieties	8 blocks available - see ordering information

Sensors

Temperature sensors	Four rapid response temperature sensors
Other	Separate heat sink sensor

Weight and dimensions

Dimensions (w x d x h), mm	270 x 290 x 120
Weight	2 kg



Standard	7004001	Standard Block for 96x0.2ml/96well plate for Auto-Q & QB-96 thermal cyclers
	7004002	Standard Block 96x0.2/48x0.5ml/ for Auto-Q & QB-96 thermal cyclers
	7004003	Block for 4 Slides/Microarrays
Gradient	7004004	Gradient Block for 96x0.2ml/96well plate for Auto-Q & QB-96 thermal cyclers
	7004005	Gradient Block 96x0.2/48x0.5ml/ for Auto-Q & QB-96 thermal cyclers
	7004006	Gradient Block for 384 well plate for Auto-Q & QB-96 thermal cyclers
Solid Silver	7004007	Fast Silver Gradient Block for 96x0.2ml/96well plate for Auto-Q & QB-96 thermal cyclers
	7004008	Fast Silver Gradient Block for 384 well plate for Auto-Q & QB-96 thermal cyclers

Technical information: info@quantabiotech.com

Sales Enquiries: sales@quantabiotech.com

Tel: +44 (0) 1458 27 29 27

Fax: +44 (0) 1458 27 29 77

Somerton Biotechnology Centre, 11 Camelot Court,
Somerton Business Park, Somerton, Somerset. TA11 6SB