



Specifications

Parameter	Value
Thermal unit die format	<ul style="list-style-type: none"> • Monoblock (S1 version) – 48 0.2ml tubes (8x6 arrangement) • 2-section thermal unit (S2 version) – 48 0.2ml tubes (8x6 arrangement) • Monoblock (L1 version) – 192-well 0.045ml plate (16X12 arrangement)
Tube type	For S versions: 0.2 ml PCR tubes (separate or in strips, 8 pieces each) For L1 versions: PCR 192-well 0.045ml plate
Thermal unit temperature range (°C)	From 0 to 100
Temperature shift (°C)	0.1
Temperature maintenance accuracy (°C)	+/- 0.2
Maximum heating rate of thermal unit (°C/sec)	<ul style="list-style-type: none"> • For S versions: 5.0 • For L versions: 3.5
Maximum cooling rate of thermal unit (°C/sec)	<ul style="list-style-type: none"> • For S versions: 2.5 • For L versions: 1.5
Thermal unit actuator	2 Peltier thermoelectric elements
Excitation source	LED
Detector	CCD
Number of fluorescence measurement channels	<ul style="list-style-type: none"> • 4 (versions 4S1, 4S2) • 5* (versions 5S1, 5S2 and 4L1)
Spectral range** (nm)	Detection channel: <ul style="list-style-type: none"> • Fam – 470/40 – 515/30 • Hex – 530/20 – 560/20 • Rox – 580/30 – 620/30 • Cy5 – 630/20 – 660/20 • Cy5.5 – 687/20 – 731/30