



Features

- 48-well sandwich design sample block guarantees accurate and uniform temperature, delivers precise, high quality PCR results.
- Peltier positioning guarantees rapid heat exchange and long life, shown to last on average 10 times longer than conventional blocks.
- Top quality PMT as detection system- almost noise free, high signal to noise ratio, high sensitivity. The resulting gain makes it possible to detect single photons.
- Coaxial fiber optics in the instrument increases the signal-to-noise ratio and improves accuracy.
- Blue diode fluorescence activation ensures reproducibility and low maintenance costs

Specification

Technical Specifications, Swift™ Spectrum 48, Model Number SPT-RT-48

Number of Channels	4
Excitation Wavelength (450-590nm)	Standard channels: F1:470nm F2:523nm F3:534nm F4:571nm
Emission Wavelength	Standard channels: F1:525nm F2:564nm F3:584nm F4:612nm
Fluorescence	FAM, SYBR Green 1, HEX, VIC, TAMRA, TEX RED, ROX
Temperature Range	4°C ~ 99.0°C
Heating Rate (max)	4.0°C/sec
Cooling Rate	4.0°C/sec
Gradient Range	1°C ~ 24°C
Hot-lid Range	80°C ~ 110°C
Sample Capacity	48 x 0.2ml
Sample Volume	10 ~ 100µl
Dynamic Range	10 ~ 10 ¹⁰ copies
Power Supply	110V or 220V/50 ~ 60Hz
Dimensions (L x W x H)	520 x 450 x 320mm (20.4" x 17.7" x 12.6")
Software Operating System	Windows 2000/XP