

**SPECIAL
OFFER**

48% OFF

The NEW PrimeQ Real-Time PCR System

OFFER PRICE \$16,100 (RRP \$30,995)



Low Running Costs

- Free Software with unlimited license
- 96 well format accepts a wide variety of PCR plates and seals
- Open chemistry provides ability to use most reagent kits



To apply for this offer please scan code
or visit www.techne.com/enquiry.asp

Analysis methods

- **Baseline** – simple analysis method allows for correction of differences in background fluorescence
- **Quantification** – determines absolute or relative quantity of a DNA template by measuring cycle-to-cycle fluorescence change
- **Dissociation curve** – measures the temperature at which dsDNA denatures, called the melting temperature (T_m)
- **Plus/minus scoring** – PrimeQ determines with ease and accuracy the presence/absence of a PCR product in a sample
- **Allelic discrimination** – a powerful technique capable of detecting a single nucleotide polymorphism (SNP)
- **Multi-read** – end point analysis method which reports the average fluorescence of a selected number of readings



www.techne.com

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Features

Block format	96 x 0.2ml
Block specification	8 x Peltier block employing quad-circuit technology to enhance performance
Block uniformity at 50°C	$\leq \pm 0.3^\circ\text{C}$
Maximum ramp rate	Up to 2.2°C
Temperature range	4 to 98°C
Sample volume	15 to 50 μl
Heated lid	Adjustable between 100 and 115°C in 1°C increments, or off
Maximum sample evaporation	Less than 15% volume loss from any well using the plate sealing recommended by Techne
PC connectivity	USB, OS Win XP SP3 or higher and Win 7 (one unit per PC)
Plate format	Low profile 96-well plate (skirted or non-skirted)
Excitation source	Solid state white light source
Detector	Photon counting photomultiplier tube
Multiplex dye detection	Up to 4 dyes per reaction tube
User selected filters	Maximum of 4 paired excitation/emission filter cartridge systems suitable with currently used dyes*
Fluorescence excitation range	470-650nm (standard filters are centred at 485, 530, 580 and 640nm)
Fluorescence detection range	500-710nm (standard filters are centred at 520, 560, 615 and 685nm)
Dynamic range	At least 9 orders of magnitude of target DNA concentration
Sensitivity (detection threshold)	1nM fluorescein in a 20 μl sample

* Custom filter cartridge systems available upon request

Ordering information

Product Code	Description
PRIMEQ	PrimeQ real-time PCR System (supplied with filters FC02, FC03, FC04, FC05)
FC01	FAM multiplex, 460nm excitation wavelength, 500nm emission wavelength
FC02	Green, FAM/SYBR®, 485nm excitation wavelength, 520nm emission wavelength
FC03	Yellow, HEX, 530nm excitation wavelength, 560nm emission wavelength
FC04	Red, ROX 580nm excitation wavelength, 615nm emission wavelength
FC05	Blue, Cy5, 640nm excitation wavelength, 685nm emission wavelength

Online



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Product Support

If you have any questions about PrimeQ, our technical support resources can be accessed in the following ways:

- www.techne.com for technical literature and frequently asked questions.
- PrimeQHelp@bibby-scientific.com for technical and applications assistance.
- service@bibby-scientific.com for servicing enquiries.
- **+44 (0)1785 810433** for technical support.



Find out more!!!

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Bibby Scientific

2 Year Warranty