



Polymerase chain reaction is a technique used to amplify DNA / RNA samples before they can be studied in detail. This method is widely used in Clinical Diagnostics, Genetic Testing and Forensics.

Real Time PCR is considered by many as the '*gold standard*' method of microbial detection and quantification. This is a sensitive and rapid method capable of detecting an enormous variety of bacteria, viruses and fungal infections

The PCR-6000 is a high-tech, compact tabletop PCR analyser ideal for many different applications. The analyser is equipped with 5 detection channels and is capable of simultaneously detecting 96 wells.

CHANNEL	DYES
1	FAM, SYBR Green I
2	VIC, HEX, TET, JOE
3	ROX, Texas Red
4	CY5
5	Alexa Fluor 680

### Analyser Performance

- Simultaneous optical analysis via 5 channels
- Simultaneous detection of 96 wells
- Temperature range 0 - 100°C
- Temperature ramp rate 0.1 - 6.1°C/Sec (approx.)
- Repeatability CV<0.5%

### Technical Specifications

- Large (10.4 inch) touch screen for easy programming
- Up to 1,000 test results can be stored on the machine
- Analyser can be used as a stand-alone machine or controlled with a PC
- 2x USB interface (Store results on USB stick or connect directly to PC)
- Compact in Size: 475mm (L) x 355mm (W) x 484mm (H)

The PCR-6000 is designed to work with 0.2ml clear, flat cap PCR tubes. Individual tubes, strips of 8 or 12 and 96 well plates can be used.



Cat No.	Production Description
PCR-6000	Real-time Fluorescence Quantitative PCR Analyser

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