

## GENECYCLER



The GeneCycler is a high-efficiency water bath thermal cycling instrument. Up to 20 low profile 384-well PCR plates or 16 standard 384-well or 1536-well PCR plates can be cycled each run. The GeneCycler's integrated touchscreen control panel provides a user-friendly interface to easily create protocols and monitor progress during each run. With an improved heating design, the GeneCycler increases throughput while reducing running costs, using up to 80% less energy than standard Peltier PCR blocks.

### Precise Temperature Control

Three individually temperature-controlled water bath tanks.

### Enhanced Amplification Efficiency

Reduces cycling time and boosts amplification efficiency.



### Broad Compatibility

Compatible with high-precision PCR microplates for rapid and precise temperature control.

### Automated Water Management

Autofilling and emptying of water tanks. Scheduled pre-heating and shutdown.

### Robust Basket Design

Zero maintenance basket. Unique streamlined and robust design.

### Efficient Heating

High efficiency heating, approximately 1 kw per run (protocol dependent).

Basket Capacity	20 x low-profile 384-well PCR plates; 16 x 384-/1536-PCR plates
Heating Module	3 x water baths, temperature range 40 °C - 98°C
Temperature Accuracy	+ 0.1 °C
Cycling Options	Standard PCR / Touchdown options
Preheating Function	Yes
Operating Interface	Integrated touchscreen & software
Operating Voltage	110 V or 220 V
Maximum Power	3 kW
Instrument Dimensions	870 mm x 1070 mm x 1750 mm (L x W x H)
Instrument Weight	350 Kg filled (water volume 70 L)