

## HYPERCYCLER

The HyperCycler™ is an automated, ultra-high-throughput PCR thermal cycler designed for laboratories that need maximum capacity, speed, and efficiency.

Engineered for large-scale PCR workflows, the system can process up to 40 × 384-well plates in a single run, making it ideal for genotyping facilities, screening labs, and high-volume research environments.

### Key Features

- Ultra-High Throughput – Process up to 40 × 384-well plates per run
- Three Independent Water Baths – Precise temperature control with integrated circulation
- Flexible Plate Capacity – Basket system allows easy scaling based on workload
- Protocol Versatility – Supports two-step, three-step, and Touchdown PCR
- Uniform Temperature Performance – Consistent results across every plate
- Rapid Cycling – Advanced water-based heat transfer removes ramp delays, reducing overall reaction times
- Energy Efficient – Lower energy consumption compared to traditional metal block thermal cyclers



### Designed for High-Volume PCR Labs

Built for continuous, high-demand use, the HyperCycler™ delivers industrial-scale throughput, reproducibility, and operational efficiency – helping laboratories accelerate large PCR projects while maintaining consistent results.

### Precise Temperature Control

Three individually temperature-controlled water bath tanks.

### Enhanced Amplification Efficiency

Reduces cycling time and boosts amplification efficiency.



### Automated Water Management

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

### Broad Compatibility

Compatible with 384 & 1536 PCR microplates for rapid and precise temperature control.

### Robust Basket Design

Zero maintenance basket. Unique streamlined and robust design.

### Safety Features

High Safety Door, Emergency Stop Button, Over Temperature Hardware Protection.

Basket Capacity	40 x standard 384-well PCR plates; 40 x 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	220 V
Maximum Power	5500 VA
Instrument Dimensions	1240 mm x 850 mm x 1750 mm (W x D x H)
Instrument Weight	255 Kg (without water)