

HYPERCYCLER



The HyperCycler is an ultra high-throughput automated water bath PCR thermal cycler designed for demanding workflows and high-throughput laboratories, capable of processing up to 40 standard 384-well or 1536-well PCR plates per run. With an improved heating design, the HyperCycler increases throughput while reducing running costs, using up to 80% less energy than standard Peltier PCR blocks. Equipped with three independent water baths, the HyperCycler flexibly and precisely supports two-step PCR, three-step PCR, Touchdown PCR and other protocols. The HyperCycler has an integrated touchscreen control panel which provides a user-friendly interface to easily create protocols and monitor progress during each run.

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.

Safety Features

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

Robust Basket Design

Zero maintenance basket. Unique streamlined and robust design.

Broad Compatibility

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



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)