



UF-100 GENECHECKER™

Ultra-Fast PCR Thermal Cycler

PCR results in as little as 12 Minutes!

The best tool to make your DNA amplification faster and easier. GENECHECKER™ has adopted a special polymer microfluidic chip, which enables much faster thermal transfer to the samples when compared to conventional PCR tubes or plates. The thermal cycling mechanism of GENECHECKER™ achieves 8°C/sec ramping rate for both heating and cooling.



State of the Art Technology

Patented technical know-how is optimized in the design and production of our ultra-fast PCR machine. This enables any user to get ultra-fast, accurate results at a very affordable price. Making the UF-100 perfect for research, education, food and beverage or any laboratory.



Environmentally Friendly

The technology enables an environmentally friendly design. The machine only uses 70 watts of power, which is up to 10 times less than conventional units. The affordable unit incorporates up to 16 samples, which helps to increase efficiency.



Features of the UF-100

1. Easy programming with LCD display.
2. Flat heating plate that provides precise contact with the microfluidic chip for ultra-fast results.
3. Chip drawer opens and closes gently with no electronics involved.
4. Battery pack available for field use.
5. Small and lightweight; takes up minimal bench space.
6. The innovative, yet simple design has created a PCR machine that will enable the user to have years of trouble-free use.



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Specifications

Operating mechanism	Precisely controlled peltier element
Temperature accuracy	± 0.5°C
Temperature uniformity	± 0.5°C (well to well)
Temperature stability	± 0.5°C
Ramp rate	8.0°C / second, heating and cooling
Temperature range	30 ~ 65°C (1.0°C increment) for RT step 20 ~ 99°C (1.0°C increment) for PCR
Sample format	Polymer based 3-dimensional chip
Number of samples per run	10 or 16
Required sample volume	10µl
Typical PCR duration	Approx. 12 minutes for 30 cycles (without RT step)
Display	Bright LCD, 4 lines of text
Integrated memory	Saves up to 12 protocols
Power	AC 100-230V/50/60Hz (input power : DC 12V)
Power consumption	70 W
Dimension	200mm (w) x 200mm (d) x 127mm (h)
Weight	Instrument : 3.2kg (instrument only)

Ordering Information

Cat. No.	Description	Pack
001100	Model UF-100 GENECHECKER™ Ultra-Fast Thermal Cycler	1 SET

Victory Scientific
PO Box 307
Sewell, New Jersey
(856) 530-9990
cs@victoryscientific.com
victoryscientific.com