

Specifications

Format

- 96-well

Control keys

- 5 soft keys
- 4 arrow keys
- Stop/Enter/Clear keys
- Full numeric keypad

Memory

- Stores 100 methods (pre- and post-PCR holds and cycles).

Display

- A 7 x 40-character LCD displays the countdown for each temperature incubation segment, as well as cycles completed, and temperature ramp.

Modifiable programs

- Default programs (pre-, post-, and 25-cycle PCR) can be modified to accommodate all protocols.
- Customized PCR methods can be stored and protected from unintentional overwriting.

Software functions

- Fixed ramp speeds
- Time and temperature auto-extend/ auto-decrease
- Programmable pauses
- Date
- Time
- Auto-restart (for use after power disruption)
- T_m calculator
- Temperature verification

User diagnostics

- Allows laboratory technician to verify heating/cooling rates and check display functions.

Serial communication ports

- One

Dimensions

- Width: 21 cm (8.3 in)
- Depth: 36 cm (14.2 in)
- Height: 22 cm (8.7 in)
- Weight: 6.1 kg (13.5 lb)

Temperature range

- 4.0–99.9°C

Temperature display

- Displays calculated sample temperatures; can be set to 0.1°C.

Average heating/cooling rates

- Sample: 1°C/second

Static temperature uniformity

- $\pm 0.5^\circ\text{C}$, 30 seconds after clock-start at 95°C.

Temperature accuracy

- $\pm 0.5^\circ\text{C}$ (range: 35–100°C)

Temperature calibration

- Calibrated to standards traceable to the National Institute of Standards and Technology (NIST).

Heated cover

- Maintains constant temperature of 105°C for oil-free operation.

Ramp time reproducibility

- Reaches thermal set points within ± 5 seconds.

ORDERING INFORMATION

Product

P/N

Applied Biosystems 2720 Thermal Cycler

4359659

AUTHORIZED DEALER

For Research Use Only. Not for use in diagnostic procedures.

NOTICE TO PURCHASER: Label License

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