

Thermal Cycler



Features:

- Program Wizard - Quick and easy protocol entry
- Intuitive touch screen control - Works even when wearing gloves
- Multi-Format Block accepts: 0.2mL tubes or strips (96), 0.5mL tubes (39), or 96 well plate

Technical Data:

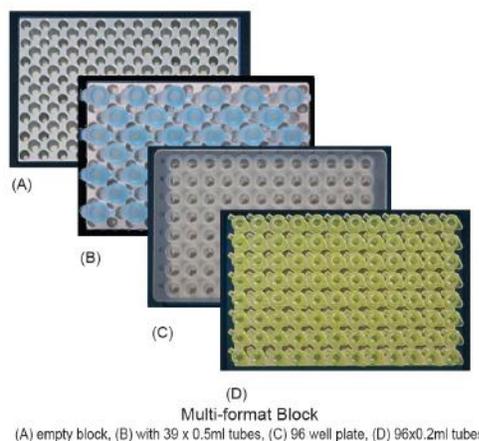
Capacity:
 9639 block: 96 x 0.2mL tubes/strip or 39x0.5mL tubes or 39x0.5mL tubes or 1 non skirted 96 well plate
 384 well block: 1x384 well plate
 In-situ adapter: 4 slides (fits 9639 block)
 Temp. control range: 0-100°C
 Temp. control: Simulated sample or block
 Accuracy/uniformity: ±0.2°C/±0.2°C
 Ramp rate: 5°C/second (maximum)
 Gradient range/differential: 30°-105°C, 1-30°C
 Increments/decrements: Yes, time and temperature
 Lid temp.: 30° - 112°C, user adjustable
 Program memory: Unlimited with flash drive
 Power failure restart: Yes
 Power supply: Universal, 75-275V, 50-60Hz
 Dimensions (WxDxH): 10.2 x 14.2 x 9.9 in. (26 x 36 x 25 cm)
 Weight: 16 lbs. (7.3 kg)

Featuring a large, touch screen interface, a next-generation program wizard and a unique multi-format block, makes it easier than ever to get up and running. Starting at the "Home" screen, simply touch an icon to view the last run, enter the program library or use the program wizard to quickly enter a new protocol. In addition, icons for frequently used programs can be added for instant access.

Designed with extensive user feedback, the program wizard quickly and easily guides users through protocol set-up, all in a single screen. Once entered, programs are shown graphically, and can be edited by simply touching the step that requires modification. Time and temperature increments can be built into programs as well as slower ramp rates. Storage capabilities are unlimited; programs can be stored in public folders, password protected folders or on a flash drive. The full virtual keyboard allows for alphanumeric naming of programs and folders.

The fully adjustable heated lid prevents condensation and evaporation of samples. Lid temperature can be programmed, and when the block temperature is below 35°C, the lid automatically shuts off. Heating and cooling of the block are precisely and accurately controlled within exceptionally tight tolerances by a proprietary algorithm that simulates sample temperature.

With the multi-format block, there is no need for the expense of multiple interchangeable blocks. The Thermal Cycler has the flexibility to accept 96 x 0.2mL tubes, a 96 well plate or 39 x 0.5mL tubes all in the same sample block. For easy protocol optimization, a gradient with a spread of up to 30°C can be set up across the block. An in situ adapter is available for incubating slides on the block. A 384 well version is available.



Cat. No.	Description
ES59721	Thermal Cycler
ES59723	Thermal Cycler w/ 384 Well Block, Standard Plug
ES59721-A	In situ adapter for 4 slides (fits ES59721)