



- FAST RAMPING - UP TO 5°C/SECOND
- INTUITIVE PROGRAMMING
- LIGHTWEIGHT AND COMPACT
- INTERCHANGEABLE BLOCKS - 24 X 0.2 ML AND 18 X 0.5 ML
- ECONOMICAL - HALF THE PRICE OF A FULL SIZE UNIT

# MultiGene™ Mini Compact Thermal Cycler

## Small in size, Big in performance

Labnet's *MultiGene Mini* is a compact and lightweight thermal cycler, but don't let its small size fool you. This cycler is packed with features typically found only on larger thermal cyclers.

Excellent accuracy and uniformity combine with fast ramping rates to provide quality results. An algorithm calculates sample temperature, based on volume, to control heating and cooling of the block. This means that samples reach programmed temperatures quickly, without any overshoot or lagging. Powerful Peltier units provide ramping rates as fast as 5°C/second.

Programming the *MultiGene Mini* is simple and intuitive. The control pad combines function keys, a key pad and arrow keys for easy navigation and entering of parameters. The large graphical display is easy to read. In addition to the standard parameters of time and temperature, the software also allows for successive time and temperature increments and decrements (for touchdown amplification and auto-extension), auto-restart after a power failure, end of cycling elongation steps and extended soaks at 4°C. One hundred programs, each with up to nine segments, can be stored in memory.

The *MultiGene Mini* is available with either a 24 x 0.2 ml tube block or 18 x 0.5 ml tube block. Blocks are easily interchanged. Units come standard with an adjustable heated lid. The lid features a slip gear to provide proper compression to prevent sample evaporation without deforming the tubes.

### Specifications

<b>Capacity</b>	24 x 0.2 ml tubes or 18 x 0.5 ml tubes
<b>Programmable temp. range</b>	4° to 99°C
<b>Temp. accuracy/uniformity</b>	±0.3°C/±0.5°C at 55°C
<b>Max. heating/cooling rate</b>	5°C/4°C per second
<b>Heating/cooling method</b>	Peltier
<b>Heated lid temperature</b>	105°C
<b>Program memory</b>	100 programs
<b>Max. cycles/segments</b>	99 cycles/9 segments
<b>Max. hold time/step</b>	99 minutes 59 seconds
<b>Dimensions (WxDxH)</b>	8.6 x 11.2 x 7 in 21.8 x 28.5 x 17.8 cm
<b>Weight</b>	7.1 lb/3.2 kg
<b>Electrical</b>	120V/230V, 50/60 Hz

### Ordering Information

Catalog No.	Description
<b>TC020-24</b>	MultiGene Mini with 24 x 0.2 ml block
<b>TC020-24-230V</b>	As above, 230V
<b>TC050-18</b>	MultiGene Mini with 18 x 0.5 ml block
<b>TC050-18</b>	As above, 230V
<b>TC050-05-C</b>	0.5 ml tubes, domed cap, clear, 1000/pk
<b>TC050-05-A</b>	0.5 ml tubes, domed cap, assorted colors, 1000/pk
<b>TC020-02-C</b>	0.2 ml tubes, domed cap, clear, 1000/pk
<b>TC020-02-A</b>	0.2 ml tubes, domed cap, assorted colors, 1000/pk



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