MultiGene OptiMax

Australian distributors:
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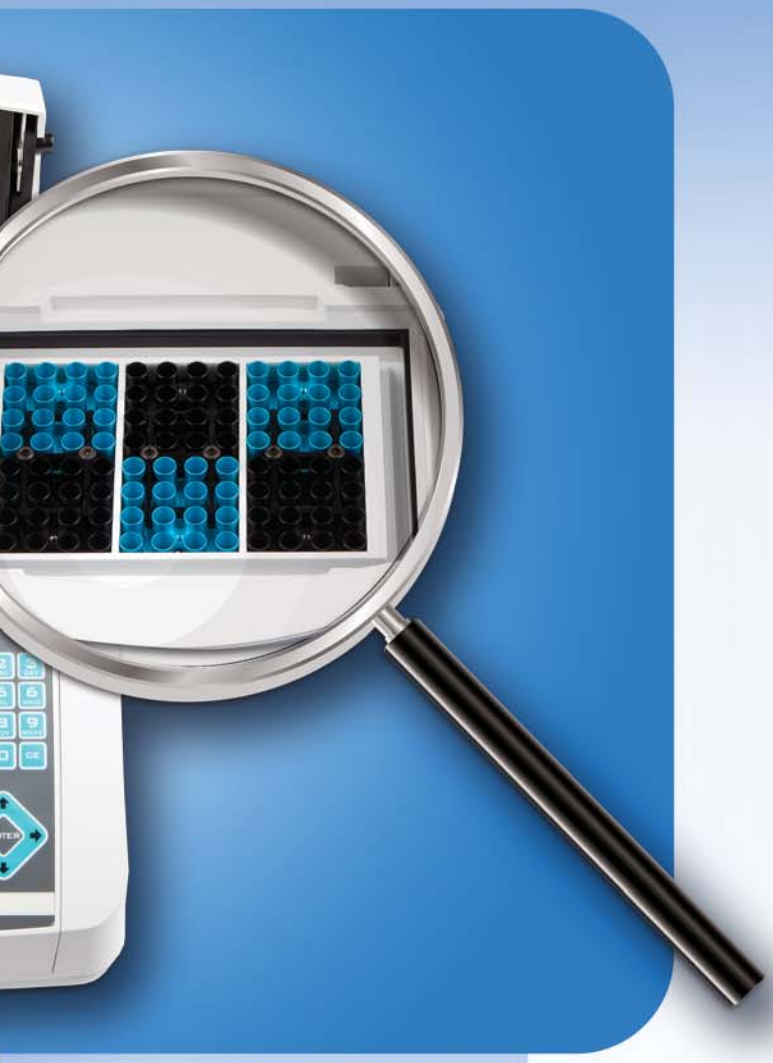
Labnet
Labnet International, Inc.

MultiGene OptiMax

The new MultiGene OptiMax replaces our successful and reliable MultiGene Gradient thermal cycler and brings new speed and advanced features to our Labnet Thermal Cycler line providing premium performance at an affordable price.

- *Unique Flexible Programming with FlexTemp technology*
- *Fast run times.*
- *PC Viewer*
- *Simple user interface*
- *No condensation after overnight cooling at 4° C*
- *3-Year Warranty*

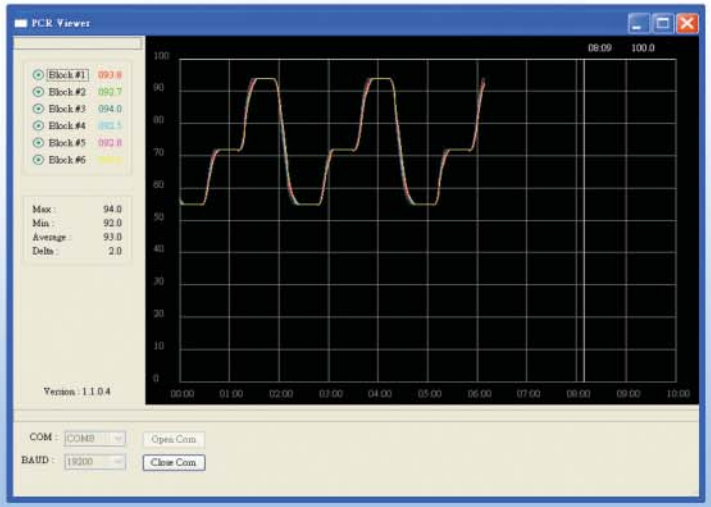
The MultiGene OptiMax employs a new protocol optimization process improving on older gradient features. The OptiMax utilizes FlexTemp technology that effectively separates the 96 well plate into six (4 x 4) temperature regions that allows users to select various temperatures. These regions are easily identified by the blue and black squares visible on the microplate block. Instead of having the thermal cycler choose temperatures for you, you can choose any temperatures you want within a 24° C range.



The MultiGene OptiMax has a heating rate of 5° C/sec and a cooling rate of 3.5° C/sec. The OptiMax exhibits excellent temperature control thereby minimizing exposure to excessive temperatures and increasing efficiency. (See figure) This also leads to faster runs time. (Minimal overshooting or undershooting seen through the PC Viewer) New is the PC Viewer Option. By downloading our software from our website and attaching a USB cable to your Windows PC to can view the temperature profiles real time as they are occurring to monitor your system. The MultiGene OptiMax utilizes an intuitive user interface. This user interface is friendly to the laboratory environment and consistent with what our customers previously enjoyed in our earlier models. The OptiMax is loaded with standard pre-programmed methods including those for Optimization, Touchdown, and Time Increments. To save time you can modify methods "on the fly".

The OptiMax's heated lid is fully adjustable to provide optimum pressure for use with a broad range of tubes and microplates. For optimum performance, the lid can also be programmed to hold different temperatures between 60° to 65°C and 100° to 115°C. The OptiMax lid slides away and back from the user to provide full access to samples and reduce the risk of coming in contact with a hot surface. An added advantage of new lid design is the prevention of condensation.

The FlexTemp technology *provides a greater flexibility in approaching laboratory workflows. Because you can easily select annealing temperatures and because many primers work with common methods, you can run up to 16 wells of one primer at one temperature and 16 wells of another primer at another temperature during same run. The MultiGene OptiMax allows you to set 6 different temperatures. A different temperature in each of the 4 x 4 well blocks. Maximum workflow flexibility.*



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Specifications

MultiGene OptiMax

SPECIFICATIONS	
Sample Capacity	1 x 96 well plate, 12 8 x 0.2mL strip tubes, 96 x 0.2 mL tubes
Programmable Temperature Range	4°C to 99.9°C
Temperature Control	Calculated or block
Temperature Accuracy/Uniformity	±0.5°C/±0.5°C
Heating/cooling method	Peltier
Max. heating/cooling rate	5°C/3.5°C per second
Temperature range of 6-segment blocks	30°C to 99°C. Temperature of 6-segment blocks can be set independently.
Maximum Temperature difference between 6-segment blocks	24°C
6-segment temperature blocks	6 temperature blocks in 4 x 4 well format
Programmable lid temperature	
Program memory	200 complete programs
Temp. increments/decrements	Yes
Time increments/decrements	Yes
User program folders	50 sets
Password protected programs	Yes
Communication	USB and RS232 ports
Dimensions (W x D x H)	24 x 42 x 25 cm
Weight	9 kg
Electrical	240V or 120V, 50/60 Hz

Part Numbers	
TC9610	MultiGene OptiMax Thermal Cycler 115V model
TC9610-230	MultiGene OptiMax Thermal Cycler 230V model

fB fisher biotec australia
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