

MultiGene™ OptiMax Thermal Cycler

The MultiGene OptiMax Thermal Cycler delivers advanced speed and features while providing premium performance at an affordable price. This simple to program unit is compact in design and built to perform. Programming is intuitive with the large display and multiple pre-programmed templates supplied with unit. The OptiMax comes with standard built in 2-step, temperature optimization, touchdown and time increment protocols that are easy to adjust to meet your cycling needs. You can select lid temperature or turn it off depending on your needs. The faster ramp rates allow more work to be done in a work day.

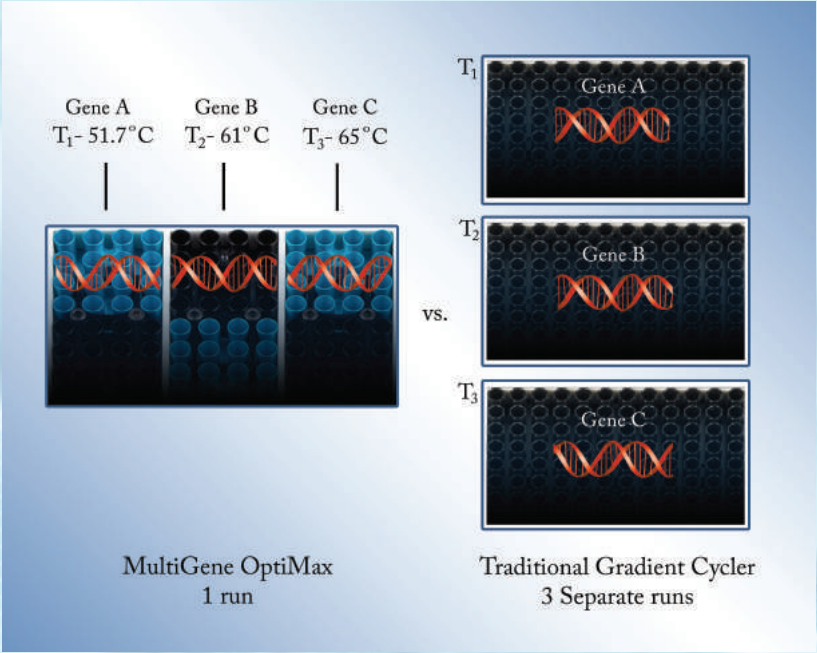
Additionally, The MultiGene OptiMax employs a new protocol optimization process improving on older gradient features. This “Better than Gradient” capability allows users to select up to 6 distinct annealing temperatures to be run simultaneously. This is ideal for method optimization as well as applications like genotyping.

| SPECIFICATIONS | |
|---------------------------------|--|
| Sample Capacity | 1 x 96 well plate, 12 8 x 0.2mL strip tubes, 96 x 0.2mL tubes |
| Programmable Temperature Range | 4°C to 99.9°C |
| Temperature Control | Calculated or block |
| Temperature Accuracy/Uniformity | ±0.5°C/±0.5°C |
| Optimization temperature range | 30°C to 99°C. Annealing Temperatures of each 6-segment block can be set independently. Maximum Temperature difference between each 6-segment temperature block 24°C |
| Orientation | 6 segmented block each 4 x 4 wells in size |
| Programmable lid temperature | 60° to 65°C, 100° to 115°C or off |
| Program memory | 200 complete programs |
| Temp. increments/decrements | Yes |
| Time increments/decrements | Yes |
| User program folders | 50 sets |
| Password protected programs | Yes |
| Dimensions (W x D x H) | 9.4 x 16.5 x 9.8 in/ 24 x 42 x 25 cm |
| Weight | 19.8 lbs/9 kg |
| Electrical | 240V or 120V, 50/60 Hz |
| Ramp Rates | High 5°C heating/ 3.5°C cooling Low 3°C heating/ 2°C cooling |
| Sample volume range | 5-100µl |
| Warranty | 3 Years |
| Display | LCD |

| CAT NO. | DESCRIPTION |
|------------|--|
| TC9610 | MultiGene OptiMax with 96 well block, 120V |
| TC9610-230 | MultiGene OptiMax with 96 well block, 230V |
| TC96-CM-10 | Compression mat, Silicone, pk of 10 |



The Labnet MultiGene OptiMax is ideal for streamlining the genotyping workflow. A typical genotyping experiment requires the ability to evaluate multiple transgenes in a single animal. In an existing gradient thermal cycler verifying the integrity of your line requires three separate runs/experiments to achieve what the MultiGene OptiMax allows in one method. This is achieved by assigning the appropriate annealing temperatures for each gene in each peltier block (up to 6 different ones) and running that method. Results have confirmed that the data generated in the MultiGene OptiMax were comparable to running 3 individual runs/experiments thereby saving time and reagents and making for a greater efficiency in the workflow.



Download a copy of the application note. “Streamlining the Genotyping Workflow with the MultiGene OptiMax” at www.labnetinternational.com



The 6 distinctive blue and black peltier elements on the 96 well block can each be set to a unique and distinctive annealing temperature in your single method.