ECO96™

Single Aluminium alloy block of 96 wells compatible with 0.2ml PCR tubes and PCR plates

LA950

with “5.7 inches, 320 x 240 pixels, LCD Screen”

certified machine

HiMedia Laboratories™
www.himedian.com

MolBio
Unzipping Genes
HiMedia, one of the world’s leading manufacturers of culture media and microbiological diagnostics reagents, has launched its PCR systems.

The ECO96 Thermal Cycler delivers proven reliability combined with enhanced features to meet your today’s and tomorrow’s PCR needs.

**User profile**

- DNA Cloning
- Genetic Engineering
- Sequencing
- DNA based ‘phylogeny’
- Hereditary diseases
- Genetic fingerprints (forensic)
- Diagnosis of ‘infectious diseases’

**Exceptional Values**

Industry-leading reliability & performance at an affordable price.

**Matchless Thermal Performance**

Precise, uniform heating and cooling assures superior reproducibility and highest quality results.

**Effortless, Intuitive Programming & Operation**

Powerful software is easy to learn and easy to use, even for new operators.

**Sleek and Small Design**

Compact design and size optimizes available bench space.
Salient Features

1) The most advanced peltier-based semiconductor technology.
2) High-performance universal power supply.
3) Large 5.7-inches high-definition LCD display.
4) Graphical user interface in English.
5) Power-down data protection.
6) Metal shell, stable, practical and elegant.
7) Stepless adjustable lid can adapt to different height tube.
8) Lid can be positioned at any angle.
9) High sealing reaction zone to ensure stable and reliable experiment.

Performance data

Uniplex PCR done using ECO96

Multiplex PCR done using ECO96
# Specifications

<table>
<thead>
<tr>
<th><strong>Product model</strong></th>
<th><strong>LA950</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample Capacity</td>
<td>96 × 0.2ml</td>
</tr>
<tr>
<td>Temperature Range</td>
<td>0 ~ 99.9°C</td>
</tr>
<tr>
<td>Max. Heating Rate</td>
<td>4°C/s</td>
</tr>
<tr>
<td>Max. Cooling Rate</td>
<td>3°C/s</td>
</tr>
<tr>
<td>Uniformity</td>
<td>≤ ± 0.3°C</td>
</tr>
<tr>
<td>Accuracy</td>
<td>≤ ± 0.2°C</td>
</tr>
<tr>
<td>Display Resolution</td>
<td>0.1°C</td>
</tr>
<tr>
<td>Temperature Control</td>
<td>Block/Tube</td>
</tr>
<tr>
<td>Ramping Rate Adjustable</td>
<td>0.1 ~ 2.5°C</td>
</tr>
<tr>
<td>Gradient Uniformity</td>
<td>≤ ± 0.3°C</td>
</tr>
<tr>
<td>Gradient Accuracy</td>
<td>≤ ± 0.2°C</td>
</tr>
<tr>
<td>Gradient Temp. Range</td>
<td>30 ~ 99.9°C</td>
</tr>
<tr>
<td>Gradient Spread</td>
<td>1 ~ 30°C</td>
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<tr>
<td>Hot Lid Temperature</td>
<td>30 ~ 110°C</td>
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<tr>
<td>Hot Lid Height Adjustable</td>
<td>Stepless Adjustable</td>
</tr>
<tr>
<td>Number of Programs</td>
<td>200</td>
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<tr>
<td>Max.No.of Segment</td>
<td>9</td>
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<tr>
<td>Max.No.of Step</td>
<td>9</td>
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<tr>
<td>Max.No.of Cycle</td>
<td>99</td>
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<tr>
<td>Time Increment/Decrement</td>
<td>1 Sec ~ 9 Min 59 Sec</td>
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<tr>
<td>Temp. Increment/Decrement</td>
<td>0.1 ~ 9.9°C</td>
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<tr>
<td>Pause Function</td>
<td>Yes</td>
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<tr>
<td>Auto Data Protection</td>
<td>Yes</td>
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<tr>
<td>Graphical Display</td>
<td>Yes</td>
</tr>
<tr>
<td>Hold at 4°C</td>
<td>Forever</td>
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<tr>
<td>LCD</td>
<td>5.7 inches, 320 × 240 pixels</td>
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<tr>
<td>Communication</td>
<td>USB2.0, RS232</td>
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<tr>
<td>Dimensions</td>
<td>392mm × 262mm × 252mm (L×W×H)</td>
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<tr>
<td>Weight</td>
<td>10kg</td>
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<tr>
<td>Power Supply</td>
<td>85 ~ 264VAC, 50 ~ 60Hz, 600 W</td>
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<tr>
<td>Standard Warranty</td>
<td>2 years</td>
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