

Prima-DUO™

Two Aluminium alloy blocks of 48 wells compatible
with 0.1 ml / 0.2ml PCR tubes



LA948

with “TFT, 8 inches,
800 x 600 pixels, Touch Screen”

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

The **Prima-DUO™** 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.

Unmatched Thermal Performance

Precise, uniform heating and cooling ensures 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

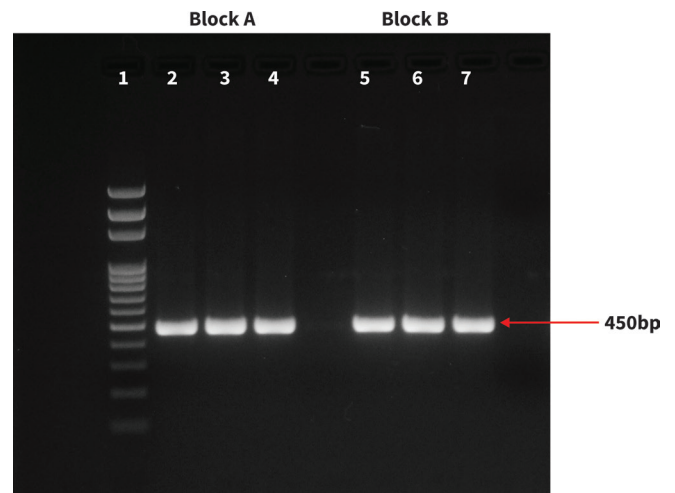
Compact design and size optimizes available bench space.



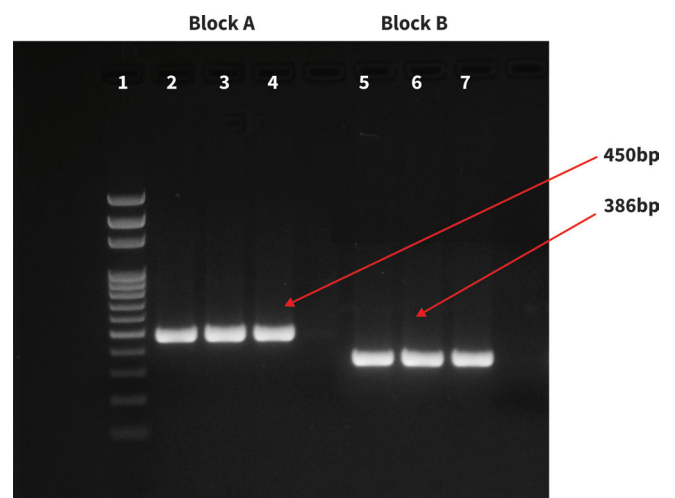
Salient Features

- 1) Each thermal block has 4 independent temperature control sensors and 8 peltier heating units to ensure accurate and uniform temperature across the block surface; provide users for replicating previous condition set-up.
- 2) 8" TFT color touch- screen with graphical display provides easy use for setting up and monitoring.
- 3) The actual and target temperature can be viewed and displayed graphically in real time.
- 4) Built-in 11 standard program file templates: Touchdown, Standard, Nested Primer, iTaq, iScript, iProof, Gradient can quickly edit the required files.
- 5) Internal flash memory for 10000 typical PCR files in free configurable folders.
- 6) Automatic restart after power failure
- 7) Compatible with devices such as mouse and keyboard and capable to transfer data and perform software updates via USB drive.
- 8) Compatible with the following 0.2ml/0.1ml tube models: non-skirted, semi and fully-skirted plates.
- 9) Replaceable module; the choice of a single-block module can run a single PCR program using a 96-well plate.
- 10) Simultaneously control up to 11 pcr system by connecting single Ethernet Hub.
- 11) A convenient USB port is outfitted on systems for data transfer & product updates.
- 12) User password protected : secure system access

Performance data



Data of two different PCR programs ran simultaneously in blocks A & B of Prima-DUO machine



Data of two same PCR programs ran simultaneously in blocks A & B of Prima-DUO machine

Specifications

| | |
|--|--------------------------------------|
| Product Code | LA948 |
| Product Name | Prima-DUO™ |
| Sample capacity | 48 x 0.2ml x 2 |
| Peltier Number | 8 |
| Block material | Aluminum Alloy |
| Temperature Range(°C) | 0-100°C |
| Heating Rate(°C/sec) | 5°C / Sec |
| Cooling Rate(°C/sec) | 4°C / Sec |
| Sample Ramp Rate | 4-4.2°C / Sec |
| Control Accuracy(°C) | ±0.1°C(30-99.9°C) |
| Uniformity(°C) | ±0.2°C(30-72°C,10s)/±0.3°C(90°C,10s) |
| Control Mode | Block, Tube |
| Hot-lid Temperature(°C) | 30-110°C |
| Gradient Range(°C) | 1-30°C |
| Gradient Temp Range(°C) | 30°C - 100°C |
| Reaction Volume Range | 10-100 µl |
| Display Interface | 8 inches, 800x600 Pixels, TFT, TOUCH |
| Instrument Memory | 10000 files + (USB Flash) |
| Auto restart facility | Yes |
| Temperature Time Increase/Decrease Progressively | Yes |
| Pause function | Yes |
| Edit File While Running | Yes |
| Support for USB Mouse | Yes |
| Support for Touch Screen | Yes |
| Touch calibration option | Yes |
| Tm Calculator | Yes |
| No of steps & cycles | 30 steps & 99 cycle |
| Connection | USB, Ethernet |
| Network Control | Yes |
| Email Notification | Yes |
| Preloaded Protocol | Yes |
| PC Control Software | Yes |
| Input Voltage & Input Power | AC85-264, 47-63Hz & 600W |
| Footprint(DxWxH) | 38x24x26 cm (14.9x9.4x10.2 inches) |
| Weight | 8.5 kg (18.7 lb) |
| Standard Warranty | 2 years |
| Certification | CE |



Literature Code : TL339-04/PCR Prima-DUO/0119

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