

Prima-96^{PLUS}[®]

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

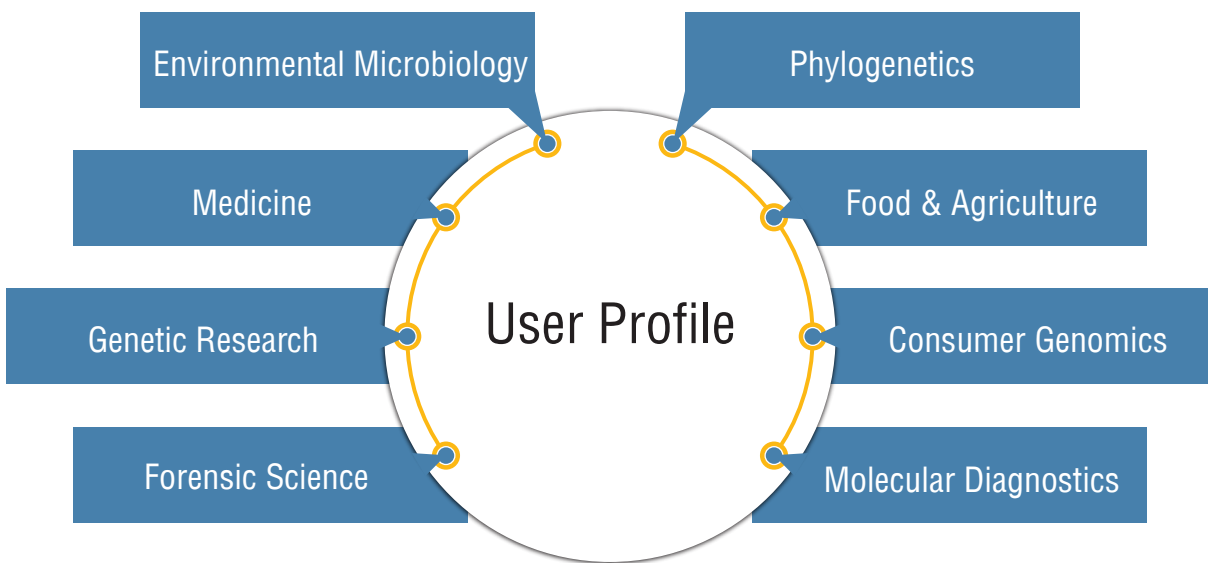


LA1015

with “6 independent temperature control sensors”

HiMedia Laboratories Pvt. Ltd. is the one of the world leading manufacturers for serving science. Our mission is to develop innovative technologies and provide comprehensive services to accelerate scientific discovery.

The **Prima-96^{PLUS}** Thermal Cycler delivers proven unparalleled reliability combined with best in class features to meet your today's and tomorrow's PCR needs.



Features :

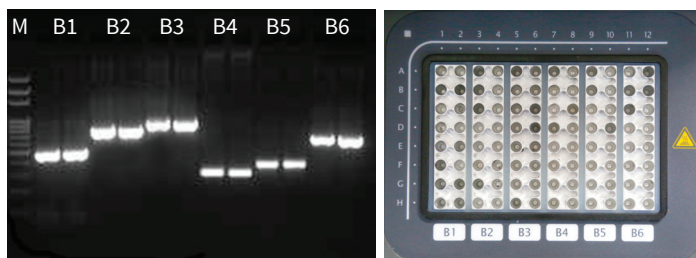
- Gradient Range : 1~25°C (MAX 5°C zone-to-zone, 6 independent temperature control sensors and 6 peltier heating units)
- Gradient Temperature Range : 30-100°C
- Heating rate : 6°C/sec and Cooling Rate: 4°C/sec
- Integrated Tm calculator software.
- Control Accuracy $\pm 0.2^\circ\text{C}$ (30-100°C)

Salient Features

- 1) Thermal block has 6 independent temperature control sensors and 6 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) Dynamic ramping keeps incubation times constant
- 8) Compatible with devices such as mouse and keyboard and capable to transfer data and perform software updates via USB drive.
- 9) Compatible with 0.2ml tube, 0.2 ml PCR 8 strip tubes, 0.2 ml non-skirted & semi-skirted plates.
- 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
- 13) GLP report records every step to provide accurate data support for experiment result analysis
- 14) One click quick incubation function
- 15) System is capable of testing temperatures at denaturation, Annealing & extension steps.

Performance data

Six peltier heating units gives you six variant temperatures in a single PCR assay



Peltier Unit	Annealing Temperature	Base pairs
B1	56°C	450 bp
B2	58°C	779 bp
B3	59°C	873 bp
B4	54°C	294 bp
B5	57°C	324 bp
B6	60°C	685 bp

M : 100 bp DNA Ladder (MBT049)

PCR Related Reagents

Reverse Transcription Enzymes

MBT072

Reverse Transcription Enzymes

MBT060	MBT060D	MBT069
MBT060A	MBT060E	MBT070
MBT060B	MBT068	MBT088
MBT060C		

dNTPs

MBT054	MBT057	MBT059
MBT055	MBT058	MBT078
MBT056	MBT079	

PCR Enhancers

MBT085	MBT086
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PCR Master Mixes

MBT061	MBT089	MBT119
MBT095		

Specifications

Product Code	LA1015
Product Name	Prima-96 ^{PLUS}
Sample capacity	96x0.2ml
Peltier Number	6
Block material	Aluminum Alloy
Temperature Range(°C)	0-100°C
Heating Rate(°C/sec)	6°C / Sec
Cooling Rate(°C/sec)	4°C / Sec
Sample Ramp Rate	4-4.2°C / Sec
Control Accuracy(°C)	≤ ± 0.2°C
Uniformity(°C)	≤ ± 0.3°C
Control Mode	Block, Tube
Hot-lid Temperature(°C)	30°C - 100°C
Gradient Range(°C)	1~25°C(MAX 5°C zone-to-zone, six zones)
Gradient Temp Range(°C)	30°C - 100°C
Reaction Volume Range	10-100 µl
Display Interface	8 inches, 800x600 Pixels, TFT, LCD Touch screen
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 & Touch screen	Yes
Auto Data Protection	Yes
Touch calibration option	Yes
Tm Calculator	Yes
No of steps & cycles	30 steps & 99 cycle
Connection	USB 2.0, LAN
Network Control	Yes
Preloaded Protocol	Yes
Input Voltage & Input Power	AC85-264V, 47-63Hz & 600W
Footprint(DxWxH)	39x27x25.5 cm (15.3x10.6x10 inches)
Weight	9 kg (19.8 lb)
Standard Warranty	Limited Warranty
Certification	CE, ANVISA



Literature Code : TL529-04/Prima-96 Plus/0120

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