

# *The Primus Multiblock PCR System*

The new Primus Multiblock PCR Systems provide comprehensive, state-of-the-art PCR technology for science and diagnostics. They are ideal instruments for high throughput PCR and sequencing.



## **Primus HTR Peltier Technology**

The High Temperature Range Peltier Technology (temperature range of  $-50^{\circ}$  to  $+200^{\circ}\text{C}$ ) guarantees high reproducibility and reliable results even with critical protocols in an extremely short time.

The fastest heating and cooling rates of up to  $2^{\circ}\text{C}/\text{sec}$  enable superior results and higher throughput. A temperature range of  $4^{\circ}\text{C}$  to  $105^{\circ}\text{C}$  is compatible with all applications in developmental and routine work today and in the future. Exceptional homogeneity ( $\pm 0.5^{\circ}\text{C}$ ) and unmatched accuracy ( $\pm 0.1^{\circ}\text{C}$ ) for highest precision and reproducibility – even with the most difficult template – is another key feature.

### Modular System

The Primus Multiblock system is easily extended as your throughput increases. The modular construction enables you to upgrade up to 28 blocks in sets of four while saving desktop space. The block combination is totally modular providing full flexibility. All blocks are also available with motorized lids.

### Primus High Pressure Lid Technology

The Primus patented High Pressure Lid Technology is the ultimate solution for reliable, user friendly and absolutely tight sealing of 96 and 384 well microplates. Its operation is completely silent and reliable. The instrument automatically adjusts to apply the perfect pressure to seal all PCR plates. The High Pressure Lid is ideally suited to your daily routine.

### Primus Multiblock Software

The Primus Multiblock Software enables the separate control and operation of each block and makes full lab automation possible. The easy and intuitive programming and graphical display facilitates the creation of PCR protocols. The progress of the PCR protocols in the blocks can easily be checked by viewing the status.

### GLP Report

A logbook records every cycle and incubation step - ideal for diagnostic applications.

## Specifications:

### Dimensions:

Block rack:

808 mm x 301 mm x 194 mm  
(288 mm when lid open)

### Subdesk module:

545 mm x 300 mm x 210mm  
(width x depth x height)

### Blocks:

96 well High Pressure Lid blocks  
384 well High Pressure Lid blocks  
(also available with motorized lid)

### Weight:

Block rack including four blocks  
approx. 24,3 kg  
Subdesk module approx. 24 kg

### Power Supply:

90-240V/AC, 50/60 Hz

## Order-Info:?

Basic unit

Additional unit

96 well High Pressure Lid Block

384 well High Pressure Lid Block

96 well High Pressure Lid Block with motorized lid

384 well High Pressure Lid Block with motorized lid

\* PCR is covered by patents owned by Hoffmann-La Roche, Inc. and F. Hoffmann-La Roche Ltd. Users should obtain license to perform the reaction.

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