

Termocykler Bioer XP

XP Cyler is the revolutionized thermal cycler with multifunction.

By matching with eight different interchangeable blocks, the instrument can meet with many kinds of demands for different PCR tubes, wells and a lot of experimental protocol.

Its extra ramping rate and precise temperature controlling ability ensure speediness and accuracy of testing.

Its extra large screen display and friendly operation interface make operations easy to understand.

The main machine can auto-recognize block automatically without manual setting.



Functionalities:



Up to eight interchangeable blocks for many kinds of PCR testing methods the instrument can recognize blocks and then load the relative software automatically.



Extra large LCD display and friendly controlling software setting or running simple and easy. Software is easy to upgrade in the future.



Independent controlling dual blocks unique designed dual module can run two different programs simultaneously and independently.

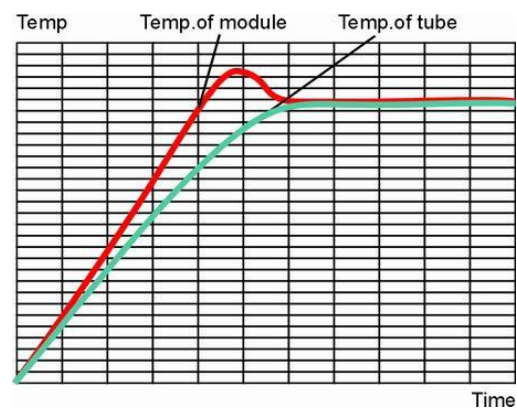
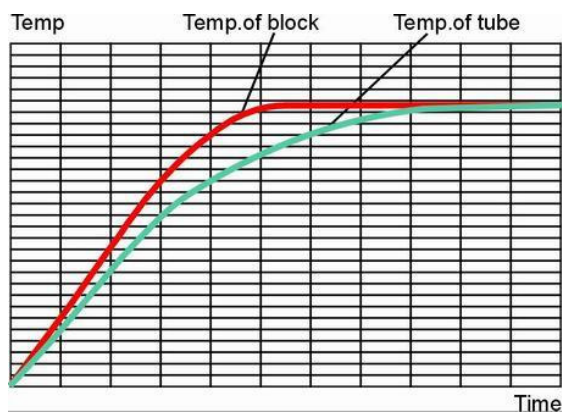


Gradient block can optimize PCR conditions easily. Maximum 30 °C gradient can be realized.



Pressure of hot lid is adjustable at will in order to meet different kinds of PCR tubes.

Two kinds of temperature control modes of choosing:



Parameters:

block model	xp-a	xp-b	xp-c	xp-d	xp-e	xp-f	xp-g	xp-h
sample capability	96 x 0.2ml	60 x 0.5ml	30 x 0.5ml 30 x 0.5ml	48 x 0.2ml 48 x 0.2ml	30 x 0.5ml 48 x 0.2ml	384wells plate	96 x 0.2ml	4 pcs of in situ plates
temp. range	4 °C ~ 99 °C							
heating rate	4 °C /sec							
cooling rate	3 °C /sec							
temp. control accuracy	$\leq \pm 0.5$ °C (95 °C) $\leq \pm 0.3$ °C (72 °C) $\leq \pm 0.2$ °C (55 °C)							
temp. uniformity	$\leq \pm 0.8$ °C (95 °C) $\leq \pm 0.5$ °C (72 °C) $\leq \pm 0.4$ °C (55 °C)							
hot lid	100 °C ~ 110 °C temp.adjustable							no
maximum gradient	/	/	/	/	/	/	30 °C	/
minimum gradient	/	/	/	/	/	/	1 °C	/
temperature control mode	block , tube							
program storage	99 files							
max. segment	5 segments							
max. step	16 steps							
max. cycles	99 cycles							
power supply	AC220v 50Hz 600VA							
dimension(mm)	470×340×260(l×w×h)							
net weight	10 kg							
fuse	250V 5A ϕ 5 × 20							
Interface	RS-232							

Blocks:

block xp-a: single block

the block is made up of hot-lid and the aluminum alloy that fits with 0.2ml standard centrifuge tubes (max. 96 pieces). the temperature and the pressure of the hot lid are adjustable.



block xp-b: single block

the block is made up of hot-lid and the aluminum alloy that fit with 0.5ml standard centrifuge tubes (max. 60 pieces). the temperature and the pressure of the hot lid are adjustable.



block xp-c: dual block

the block is made of two separated blocks. each block is made up of hot-lid and the aluminum alloy that fit with 0.5ml standard centrifuge tubes (max. 30 pieces). the temperature and the pressure of the hot lid are adjustable.

**block xp-d: dual block**

the block is made of two separated blocks. each block is made up of hot-lid and the aluminum alloy that fit with 0.2ml standard centrifuge tubes (max. 48 pieces). the temperature and the pressure of the hot lid are adjustable.

**block xp-e: dual block**

the block is made of two separated blocks. one block is made up of hot-lid and the aluminum alloy that fit with 0.2ml standard centrifuge tubes (max. 48 pieces). another block is made up of hot-lid and the aluminum alloy that fit with 0.5ml standard centrifuge tubes (max. 30 pieces). the temperature and the pressure of the hot lid are adjustable.

**block xp-f: 384 wells plate**

the block is made up of hot-lid and the aluminum alloy that fits with 384wells plate. the temperature and the pressure of the hot lid are adjustable.

**block xp-g: gradient block**

the block is made up of hot-lid and the aluminum alloy that fits with 0.2ml standard centrifuge tubes (max. 96 pieces). besides, this block can run gradient temperatures program. and the temperature and the pressure of the hot lid are adjustable.

**block xp-h: in situ block**

the block is made up of hot-lid and the aluminum alloy that fits with four in situ plates.

