



2016 Catalogue

 **major
science**

Innovative Life Sciences Tools

Amplification/ PCR



Amplification/PCR

Thermal Cycler, PCR Workstation

Major Science provides a reliable and promising PCR/amplification instrument line to suit your everyday polymerase chain reaction needs. From sanitary PCR station that protects the working area from cross-contamination to state-of-art high performance Thermal Cycler, this product range is perfect to use in any lab.



Amplification/PCR

Thermal Cycler

60-61

- ❖ Major Cycler

PCR Workstation

62-63

- ❖ UV Sterilization Cabinet
- ❖ Mini UV Sterilization Cabinet



*All images are for reference only, actual products might differ from the images.

*Please visit our website at www.majorsci.com for more product selection and detailed information.

*Technical specification subject to change without notice.

Major Cyclor

CYCLER-25

Major Cyclor is an automated instrument designed for application in hot start thermal cycling reactions with additional reverse transcription (RT) program function, it is simple and convenient to run one-step RT by combining the RT program with a stored amplification reaction. Another feature of Major Cyclor is the flexible program editing, which allows researchers to set up an amplification program containing different temperature ramping conditions within individual loops. Major Cyclor also offers the flexibility to create an advanced amplification program which could increase/decrease temperatures and hold time for an assigned step from cycle to cycle. The small size and competitive pricing make it suitable for a personal instrument ownership.



25(5x5)x0.2ml tube

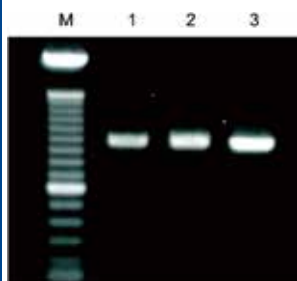
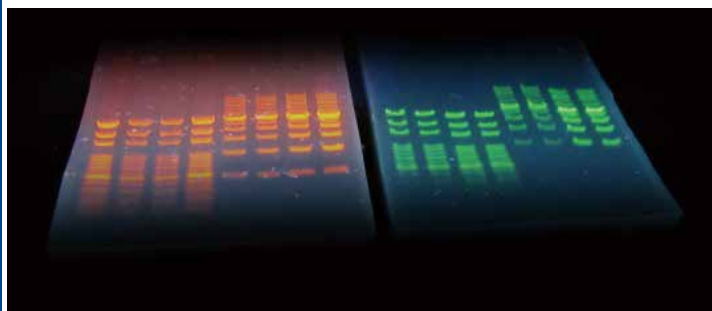
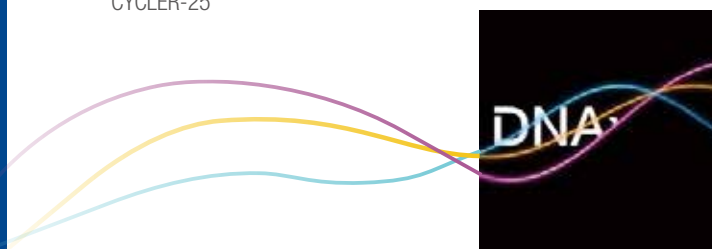
Features

- Microprocessor control with digital performance
- Wide temperature control range and great temperature controlling performance
- LCD display
- Self pressure adjusting heating lid
- User friendly and powerful program performance
- RT program
- Link up to 5 loops for one program
- Up to 9 steps for each loop
- Up to 99 cycles for each loop



Self pressure adjusting
heated lid

CYCLER-25



Reverse Transcription and amplification of 900bp Japanese Encephalitis Virus (JEV) envelope protein fragment from JEV RNA using Major Cyclor RT and amplification program

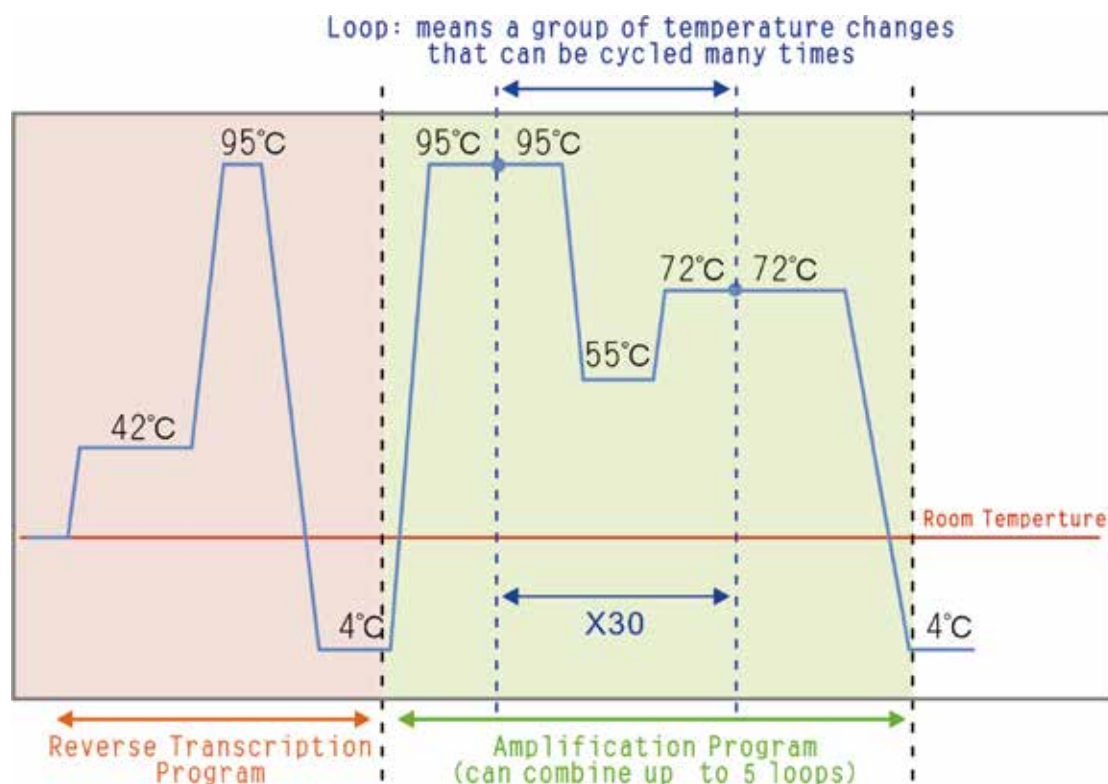
M. DNA marker
1. 0.1µg RNA template
2. 0.5µg RNA template
3. 1.0µg RNA template

Specifications

Cat. No.	CYCLER-25
Sample capacity	25(5x5)x0.2ml tube
Temperature control range	4°C to 110°C
Lid temperature control range	ambient + 5°C to 110°C
Block homogeneity	20°C to 72°C $\leq \pm 0.3^{\circ}\text{C}$; 95°C: $\leq \pm 0.4^{\circ}\text{C}$
Control accuracy	$\pm 0.2^{\circ}\text{C}$
Heating rate	approx. $3^{\circ}\text{C} / \text{s}$
Cooling rate	approx. $2^{\circ}\text{C} / \text{s}$
Display	2.6" LCD
Program	Reverse transcription program
	Link program: multi-loop available; up to 5
	Step per Loop: up to 9
	Cycle number: up to 99
	Program storage: up to 100
	Increment and decrement temperature per step on each cycle
Increment and decrement time per step on each cycle	Yes
Rated voltage	110V / 220V selectable
Dimension (WxLxH)	(WxLxH) 7.87"x12.62"x7.48" (200x320.5x190mm)
Weight	Approx. 18.9lb (8.6kg)

Ordering Information

Cat. No.	Product Description
CYCLER-25	Major Cycler, 25 wells



UV Sterilization Cabinet

MS-UVCAB

For MS-UVCAB

The UV Sterilization Cabinet provide a convenient area for setting up PCR reactions in a nucleic acid free environment thus preventing PCR reaction contamination. Acting effectively as a low cost alternative to a clean room, the powerful UV light on the cabinets emits UV light to denature any nucleic acids in 5 to 30 minutes, making them inactive for amplification. The cabinet incorporates safety features to prevent user exposure to UV light.

The UV light have timer control and also provided with safety switches on the cabinets doors which turn off the UV light when opened.

The cabinets also act as an efficient shield of beta radioactive emissions and can therefore be safely used with isotopes such as ³²P.

White light within the system provides excellent visibility when working within the cabinets.

Features

- Inactivates nucleic acids in 5 to 30 minutes
- Doors fitted with safety switches
- Complete with four powerful, timer controlled UV bulbs
- Efficient decontamination of the complete work surface
- Suitable for work with ³²P



MS-UVCAB



Specification

Cat. No.	MS-UVCAB
UV light	4x15W
White light	15W
Dimension	(WxLxH) 22.05"x 6.54"x30.31" (560x420x770mm)
Weight	41.9lb (19Kg)
Cabinet material	Acrylic

Ordering Information

Cat. No.	Product Description
MS-UVCAB	UV Sterilization Cabinet with timer, four UV light and white light, no tray
MS-TL4	Liners - 68x54cm, PK/25 (FOR CABINET)
MS-TW4	General Purpose Tray (white) - 68x54cm
MS-TY4	Radiation Hazard Tray (yellow) - 68x54cm

Mini UV Sterilization Cabinet

MS-UVCABMINI

For MS-UVCABMINI

The Mini UV Sterilization Cabinet has all the benefits from the UV Sterilization Cabinet but with smaller in size which is the perfect solution for laboratories constrained by space and budget. A reduced height and footprint allows the Mini UV Cabinet to fit snugly and conveniently to any small areas within the lab.



MS-UVCABMINI

Specification

Cat. No.	MS-UVCABMINI
UV light	4x15W
White light	15W
Dimension	(WxLxH) 22.05"x13.78"x20.08" (560x350x510mm)
Weight	26.46lb (12Kg)
Cabinet material	Acrylic

Ordering Information

Cat. No.	Product Description
MS-UVCABMINI	Mini UV Sterilization Cabinet with timer, UV light and white light, no tray
MS-TL4	Liners - 68x54cm, PK/25 (FOR CABINET)
MS-TW4	General Purpose Tray (white) - 68x54cm
MS-TY4	Radiation Hazard Tray (yellow) - 68x54cm



MS-TW4



Timer for convenient operation



Easy side access

Features

- Inactivates nucleic acids in 5 to 30 minutes
- Doors fitted with safety switches
- Complete with four powerful, timer controlled UV bulbs
- Efficient decontamination of the complete work surface
- Suitable for work with 32P



US Office

19959 Sea Gull Way
Saratoga, CA 95070 U.S.A.
T/ +1-408-366-9866
F/ +1-408-446-1107

Taiwan Office

No. 37, Wuquan 5th Road, Wugu Dist.,
New Taipei City 24888, Taiwan
T/ +886-2-2298-1055
F/ +886-2-2299-7871

India Office

No.12-13-104, St. No.3, Lane No.1,
Tarnaka, Secunderabad - 500017
Telengana, India
T/ +91-40-27001515
F/ +91-40-27001515