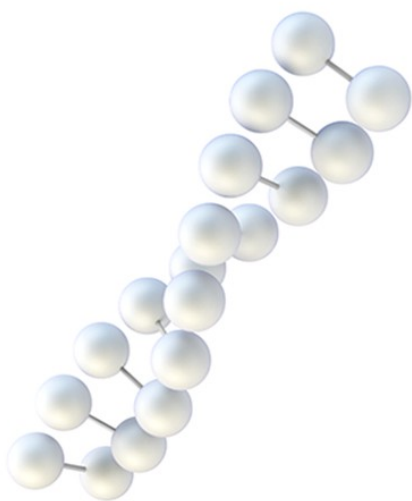


# Genesy Thermal Cycler for PCR

Your ideal equipment  
for PCR



7 inch color LCD touch screen, no hard keys, functions quickly accessible through simple, one-touch commands

Operating system is based on Android, friendly interface make it simple even for the first time users

Unlimited user accounts can be created and unlimited protocols for each account

Remarkable gradient technology perform assay crosses a maximal 20°C range via 12 gradient temperatures

Specially designed lid reduces the evaporation during PCR and helps to accommodate a wide variety of PCR consumables

Unique power-off protection function can save all the setted configurations for sudden power outages, and allow the experiment continues when power supply is restored

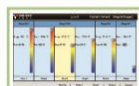
Protocols can be easily shared between different DTC-4Cs via USB flash disk, personal protocols can also be saved in your USB flash disk to quickly setup your own experiments on any Genesys

## HIGH PERFORMANCE INSTRUMENT THAT FITS THE REQUIREMENTS OF TODAY'S SCIENTIST

Genesys - The New thermal cycler PCR from Tianlong, is quite easy to operate with the combination of a 7" LCD touch screen and an Android based operating system. By taking advantages of its excellent thermo block, Genesys brings you homogeneous and accurate temperatures, rapid and precisely controlled ramp rates and fast and reproducible PCR cycles. The programming of Genesys is also remarkably simple and intuitive. Thanks to all these advantages, Genesys is your ideal equipment for PCR.

## EASY TO USE

- > Genesys is configured with 7" LCD touch screen, functions quickly accessible through simple, one-touch commands.
- > Compact design with very small footprint, very easy to be easily moved.
- > Operating system based on Android, specialized user training is not required, friendly interface make it simple even for first time users.
- > The graphic programming is quick, easy and intuitive.

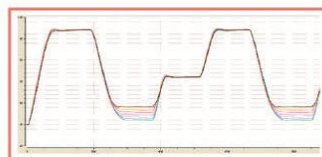


- > Unlimited user accounts can be created, unlimited protocols for each account.
- > Personal account can be protected with a password.
- > Quick-start set-up so you can begin a run immediately on desktop.



## REPRODUCIBILITY

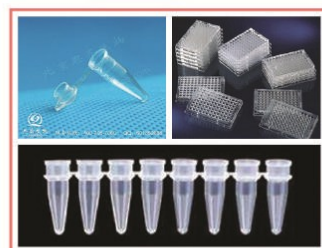
- > Genesys block features remarkable gradient technology to ensure that ramp rates are identical in both gradient and normal mode.
- > Optimized perform assay crosses a maximal 20°C range via 12 gradient temperatures.



## RELIABILITY

- > Specially designed lid reduce the evaporation during PCR and helps to accommodate a wide variety of PCR consumables.
- > The solid handle allows one hand operation of the instrument.
- > Unique power-off protection function can save all the set configurations after power off, and allow the experiment continues when power on.

## CONSUMABLES

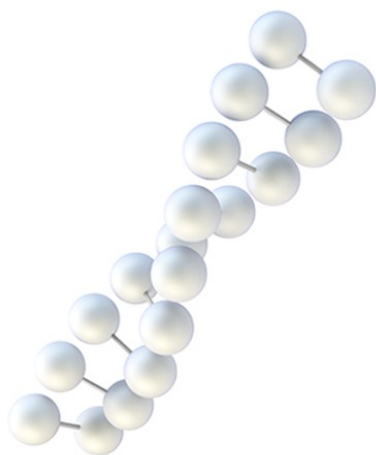


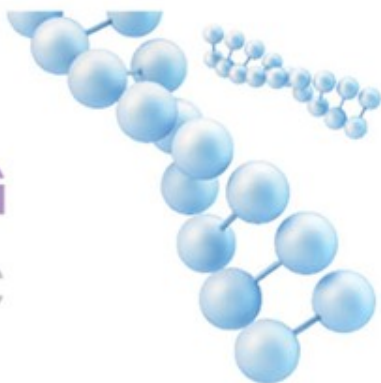
## FLEXIBILITY

- > Protocols can be easily shared between different Genesys via USB flash disk, personal protocols can also be saved in your USB flash disk to quickly setup your own experiment on any Genesys.



Your ideal equipment  
for PCR





## SPECIFICATIONS

Items	Parameter
Thermo block	Aluminum
Sample Capacity	96 × 0.2 ml, 0.2 ml single tube, 8-strip tubes, 0.2 ml 96-well plate (skirted, semi-skirted, unskirted)
Temperature control range of the block	99.9 °C
Temperature control mode	Tube mode & Block mode
Heating technology of the block	Peltier
Gradient block	12 row (horizontal)
Gradient range	0.2–20 °C
Gradient temperature range	30–99 °C
Lid temperature range	40–110 °C
Block homogeneity: 20 °C–72 °C	±0.2 °C
95 °C	±0.3 °C
Block temperature accuracy	±0.1 °C
Heating rate*	MAX 4.5 °C/s
Cooling rate*	MAX 4.5 °C/s
Interfaces	USB, Ethernet
Dimensions (W × D × H)	260 mm × 400 mm × 260 mm
Weight	12 Kg
Power supply	AC 100–240 V, 50–60 Hz
Max. Power consumption	600 VA