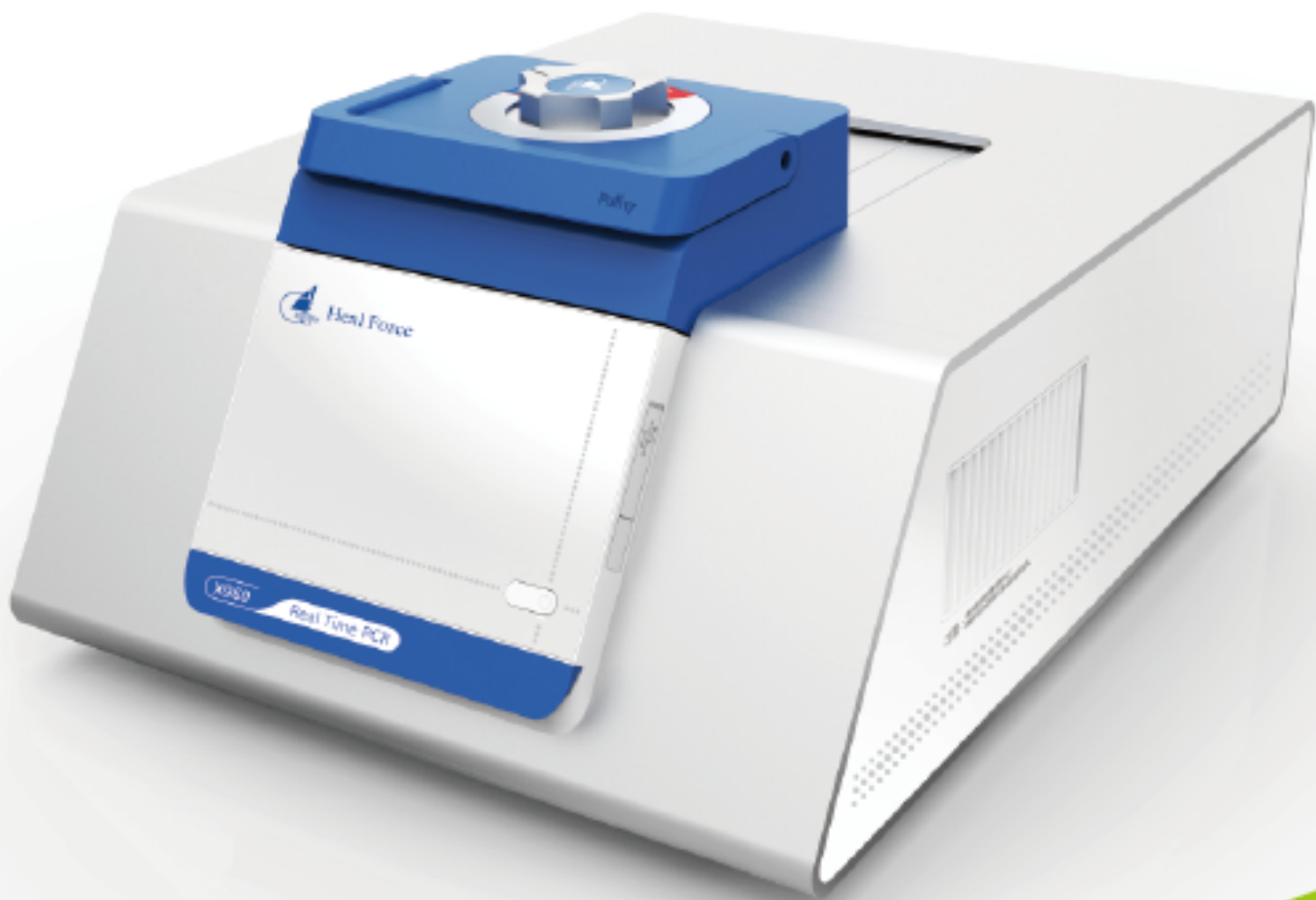


Life Science

Heal Force Real-Time PCR

A platform you can depend on



Heal Force Leads You to Healthier Life



Product Introduction

The X960 Real-Time PCR system is a high-performance benchtop instrument giving you greater control of your experiment data. It delivers reliability, sensitivity, and accuracy, which is optimized to enable the broadest range of quantitative PCR applications

In real-time quantitative PCR(qPCR), PCR product is measured at each cycle. By monitoring reactions during the exponential amplification phase of the reaction, users can determine the initial quantity of the target with great precision without involving post-PCR analysis such as gel electrophoresis and image

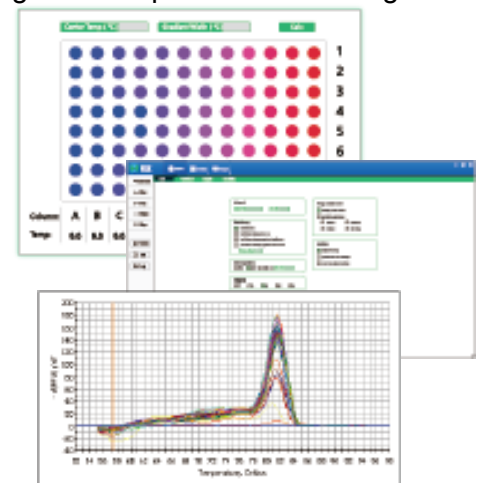
Innovative Optical Design

Two channel(X960A)and five channel(X960B)fluorescent detection system with

LED light source and high resolution CCD

The optical system automatically collects data from all wells during data acquisition at the same time

X960 can discriminate up to five targets in a single reaction well



Precise Temperature Control

Block utilizes most advanced Peltier-based technology with high amplification efficiency

Up to 6 C/s maximum ramp rate saves your valuable time dramatically

Two independent temperature control mode- block and tube, maximize control flexibility

Powerful Software

X960 Manager Software accommodates individual needs with intuitive navigation and customizable settings

The software can be used for a variety of applications including absolute/relative quantification, melting curve(dissociation curve),etc

Humanization Design

Advanced programming function like gradient and touch-down

The machine can be connected with Pc through WI-FI or LAN

Ready to Run

Factory calibrated for optical and thermal accuracy, the instrument is delivered ready for quick installation

X960 Real-Time PCR Systems



Lid

3D style design with well pressure distribution and heat preservation

Unique sliding track is convenient for sample operation



Blocks

Compatible with 96-well plate, 12-well strip tubes, 8-well strip tubes

High quality peltier plates ensure amplification efficiency

Standard gold-plating promotes heat conduction performance



Operation system

Developed upon Linux operation system, and equipped with A8 CPU for better control experience

Software

Independent software analysis module

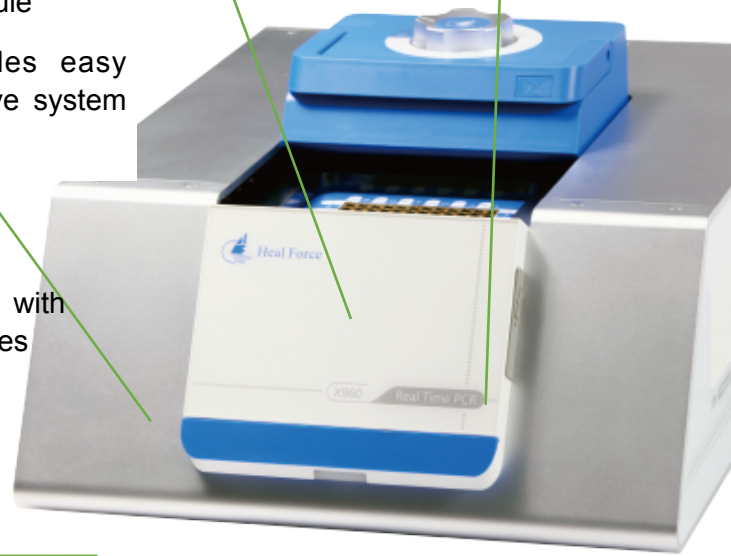
Intuitive software design enables easy experiment setup and an interactive system allows you to get results fast

Robust construction

6mm aluminium alloy main body with solid construction, nice looking curves

and fresh color

Adjustable footing designed for achieving balance easily



<i>Model</i>	X960A	X960B
Channel	2	5
Reactions per run	96	96
Block Format	96-well 0.2-ml	96-well 0.2-ml
Color Combinations	Up to 2	Up to 5
Light source	High brightness monochrome LED	High brightness monochrome
Detector	Highly sensitive cold light CCD	Highly sensitive cold light
Detection dynamic	10 ² -10 ¹⁰	10 ² -10 ¹⁰
Sensitivity	Down to 1 copy	Down to 1 copy
Reaction volume	15ul-100ul	15ul-100ul
Chemistry	All real-time PCR-based chemistries. Flexibility for chemistries with or without passive	
Excitation source	White LED	White LED
Excitation filters/colors	Channel: 470nm Channel: 525nm	Channel: 470nm Channel:
	-	Channels: 585 nm Channel4:
Detection filters/colors	Channel: 520 nm Channel: 570 nm	Channel: 520 nm Channel: 570
	-	Channels: 620 nm Channel4:
Kits & Reagent	Channel: FAM/SYBR	Channel: FAM/SYBR
	Channel: VIC/HEX/JOE/TET/TAMRA	Channel:
	-	Channels: ROX/EXRAD
	-	Channel4: CY5
Block Material	Peltier	Peltier
Accuracy	±0.1°C	±0.1°C
Temp Uniformity	±0.4 C (10 sec after reaching 95 C) ±0.2 C (10 sec after reaching 55 C)	±0.4C(10 sec after reaching ±0.2 C (10 sec after reaching
Temp Range	0°C-100°C	0C-100C
Max. ramp rate	6C	6C
Gradient range	30C-100C	30C-100C
PC Operation system	WindowsXP/VISTA/Windows7/Window8	WindowsXP/VISTA/Windows7/Wi
X960 Operation system	linus	linus
CPU	A8	A8
Network	LAN /WIFI	LAN /WIFI
Multiple control	Support	Support
Applications Available	Gene Expression, Genotyping, Copy Number Variation, Protein Detection, MicroRNA,	
Size	W 592 × D 440 × H 280 mm	W 592 × D 440 × H 280



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