
Real-time QPCR System

Esan-Gene 496 / 696



More Flexible

More Accurate

More Efficient

Product Introduction

Esan-Gene 496 / 696 real-time QPCR system, 4-channel / 6-channel, 96-well, flexible and efficient, convenient for application in fields such as gene expression, genotyping (detection), cloning, mutation, methylation analysis, sequencing, medicine, forensic science, applied science, etc.



Feature

Stand-alone Use, Convenient and Flexible

- 10.1-inch touch screen, windows operating system, easy and fast operation.
- The lower computer can complete settings, detection, analysis, saving, and other operations without the need to connect to PC, saving space.
- Equipped with USB and network port for easy data export and greater flexibility.

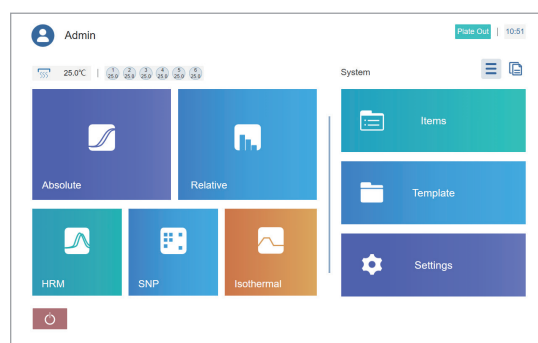
High Performance, Accurate and Efficient

- Multiple analysis modes: qualitative / quantitative detection, genotyping, isothermal amplification, melting curve, etc.
- LED light source: high power, maintenance-free and high stability.
- Can support up to 6 channels, 96 samples per run, efficient and accurate.
- High sensitivity CCD detector ensures performance and stable results.

Powerful and Flexible Software

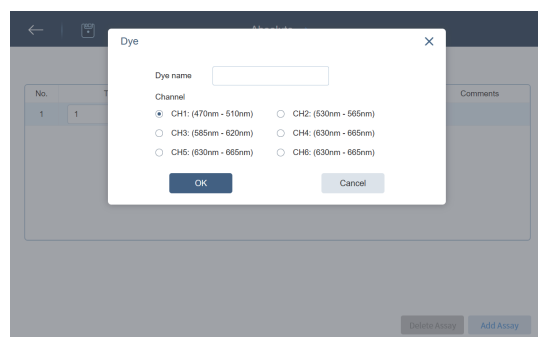
01. Function Layout, Clear at a Glance

- Simple operation and easy to use.
- Detailed running result lists, easy to review the experimental results.



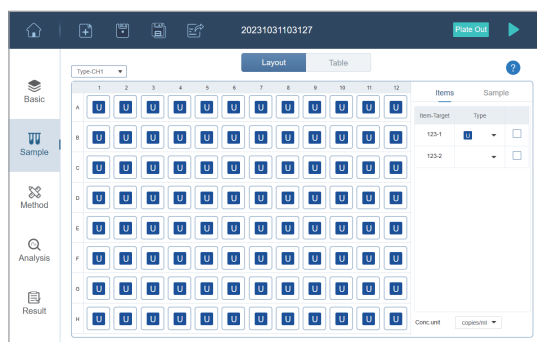
02. Diversified Analysis and Wide Adaptability

- 6 different channels can be selected.
- Open software, can match reagents from different manufacturers.
- A variety of parameter settings are available, which can detect various items.



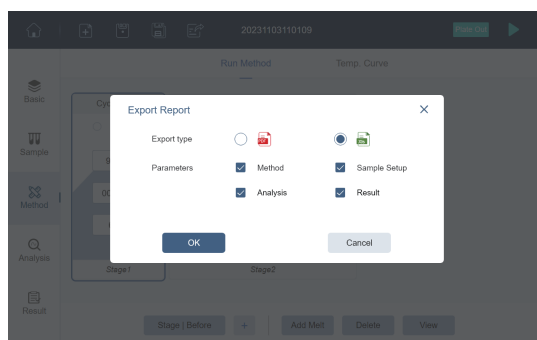
03. Diversified Program Settings

- Lay out directly on the machine.
- Import the program from USB drive.
- Can directly call the project library.



04. Easy and Fast Data Export

- Experimental parameter arrangement, which can be exported to PDF or Excel.



Specification

	Esan-Gene 496	Esan-Gene 696
Detection channel / applied dyes	C1: FAM, SYBR Green I C2: VIC, HEX, TET JOE C3: ROX TEXAS-RED C4: Cy5, Quasar-670	C1: FAM, SYBR Green I C2: VIC, HEX, TET JOE C3: ROX TEXAS-RED C4: Cy5, Quasar-670 C5: Cy5.5, Quasar-705 C6: optional

Consumable	96*0.2 mL (suitable for single well, 8-strip tube, non-skirted or semi-skirted 96-well plate)
Block Temp. range	4~99.9 °C
Maximum heat-up rate	6.0 °C/s
Maximum cooling rate	5.0 °C/s
Temp. control precision	0.1 °C
Temp. uniformity	±0.2 °C @95 °C
Temp. accuracy	±0.15 °C
Thermo lid Temp.	30~110 °C
Fluorescence repeatability	CV≤3%

Sample linearity	R ² ≥0.999
Excitation light source	High power white LED
Detecting element	High-performance CMOS
Gradient mode	6 gradient temperature control
Display screen	10.1-inch touch screen
Operating system	Windows 10 and above
Input power	100-240 V~50 Hz 1000 VA
Dimension (D*W*H)	530×298×430 mm
Weight	35 kg

■ Ordering Information

Code	Product name	Model	Remark
AS-30050-00	Real-time QPCR system	Esan-Gene 496	4-channel
AS-30060-00	Real-time QPCR system	Esan-Gene 696	6-channel

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