



NEW! genesig[®] q32

The genesig q32 Real-Time PCR Instrument provides fast results with genesig kits

Rapid heating and cooling makes the genesig q32 one of the fastest qPCR instruments on the market today. Assembled from just a few building blocks, this robust qPCR instrument allows analysis of up to 32 samples in both tube or strip format. The powerful genesig q32 software is easily installed from a USB flash drive onto any PC or Mac. The genesig q32 used together with the dedicated genesig kits provide:

- Fast DNA and RNA analysis in less than 60 minutes
- Quick start templates, analysis of full spectral data, straight forward setup and editing of samples/targets
- Over 550 genesig kits for human, vet, and food pathogens, as well as food speciation testing

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genesig q32 - Cutting edge design and technology

Assembled from just a few building blocks the robust genesig q32 system is easy to transport and install. Up to 32 samples can be run in 0.1 ml tubes or 8-strip format. Fast heating and cooling is achieved by utilizing robust Peltier elements, whilst assay performance is supported further by a heated lid design. Excitation is provided by high intensity LEDs filtered to provide light at 500nm that is capable of exciting all fluorophores commonly used in qPCR. A prism is used to generate spectra from fluorescent emissions. These spectra are imaged using a CMOS camera.

genesig q32 software

The genesig q32 software is delivered and easily installed from a USB flash drive. When installed in a network, the software can control several q32 instruments connected via LAN. The powerful and easy to use software provides the following features:

- Quick start using templates for all genesig kit applications
- Straightforward setup and editing of sample and target information
- Automated analysis modules for absolute and relative quantification, melting curve analysis and endpoint genotyping
- Analysis of full spectral data
- Compatible with Windows, Mac & Linux Systems
- Instrument start from a USB flash drive, using preprogrammed settings
- Data export functions

genesig Real-Time PCR Kit compatible

genesig Real-Time PCR Kits are suitable for use on the genesig q32 instrument. The genesig Kit range includes over 550 kits for human, vet, and food pathogens, as well as food speciation testing. All genesig Kits include a positive control and resuspension buffers. The kits come freeze-dried so that it can be shipped at room temperature for fast delivery to anywhere in the World.

Automated run templates available for:

- genesig Easy Real-Time PCR Kits
- genesig Advanced Real-Time PCR Kits
- genesig Standard Real-Time PCR Kits
- snpsig Real-Time PCR Kits
- quasa Real-Time PCR Kits
- GMO Real-Time PCR Kits

System specifications:

Dimensions:	W 9.45 in x D 10.63 in x H 9.06 in (W 24 cm x D 27 cm x H 23 cm)
Weight	15.43 lbs (7 kg)
Operating noise	<40 dB(A)
Electrical	Voltage: 100 - 240 V (+ 10%) Frequency: 50 - 60 Hz (+ 10%) Power: 170 W
Number of reactions	32
Reaction vessels	0.1ml tube and/or 8-tube strips
Reaction volume	10 - 100 µl (20 µl recommended)
Temperature cycling system	Peltier-based heating & cooling from +40 to +99°C Heating rate: 4°C/s & Cooling rate: 3°C/s
Temperature uniformity	+/- 0.05°C (SD)
Temperature accuracy	+/- 0.25°C
Run time	<60 min
Fluorescence excitation	500 nm nm (blue LED)
Fluorescence detection	120 optical channels from 510 to 750 nm (CMOS camera)
Factory-calibrated dyes (at shipment)	FAM; VIC / HEX
Applications	Relative and absolute quantification analysis Melting peak analysis Endpoint genotyping analysis
Sensitivity	1.1 fold discrimination 9-log dynamic range Single copy detection
Connection options	LAN Direct connection to computer (RJ45) PC-free (USB stick/flash drive controlled)

PRODUCT DESCRIPTION	SIZE	CATALOGUE NO.
genesig q32 Real-Time PCR Instrument	1	Z-genesig-q32
genesig q32 Extended Warranty +1 year	1	Z-genesig-q32-W1
genesig q32 Extended Warranty + 4 years	1	Z-genesig-q32-W4
genesig 0.1ml Tubes	500	Z-genesig-0.1
genesig 8 Strip Tubes	120	Z-genesig-8STRIP

genesig kits are sold for research use only and are not licensed for diagnostic procedures.

ABOUT US

Primerdesign™ provides the World's broadest menu of >550 genesig® real-time PCR detection kits, and fast development of new assays on demand. Additionally, it designs, validates and manufactures qPCR kits, Precision® Master Mixes, controls, lyophilised reagents, and qPCR instruments.

GET IN TOUCH

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