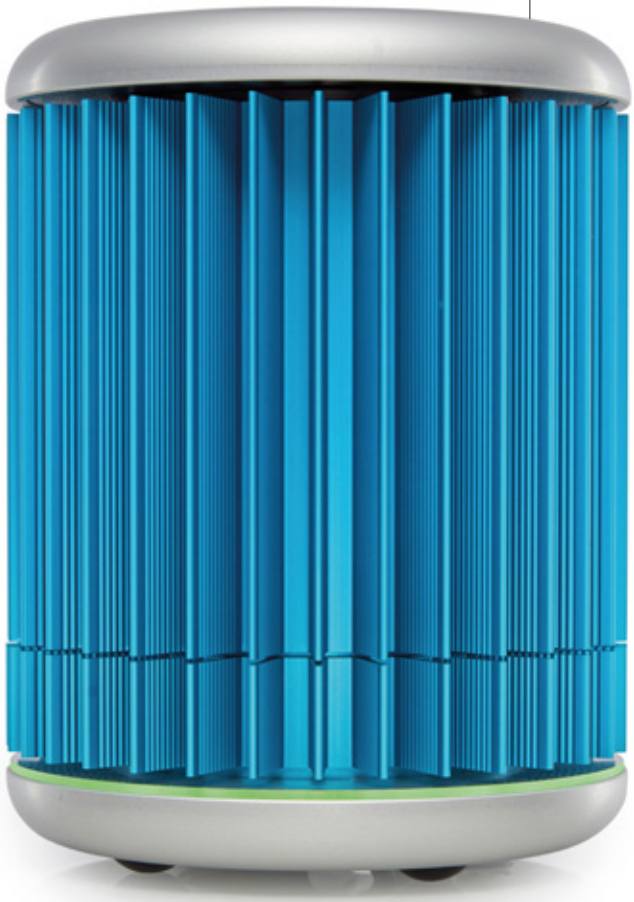
MyGo | Mini

PERSONAL PRECISION

REAL-TIME PCR



MyGo Mini

The MyGo Mini is the world's most compact real-time PCR instrument, with no moving parts, enabling silent operation and maximum reliability. It provides users with great results over a broad range of applications.

Personal precision…

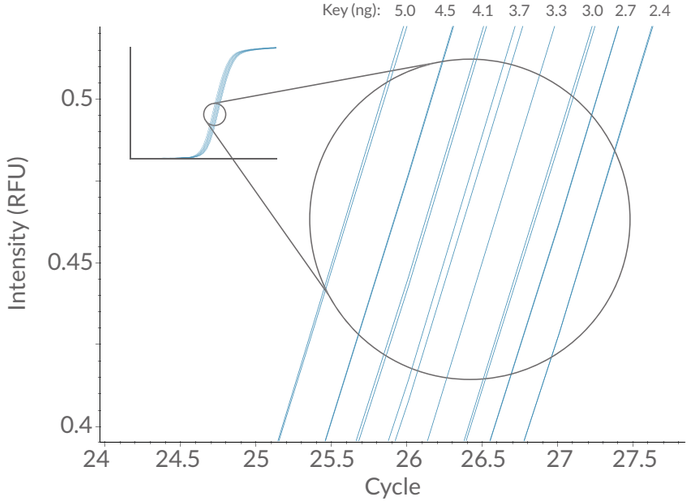
PRECISION AND PERFORMANCE

The MyGo Mini demonstrates superior intra-run and inter-run analytical precision in DNA quantification and melting point analysis.

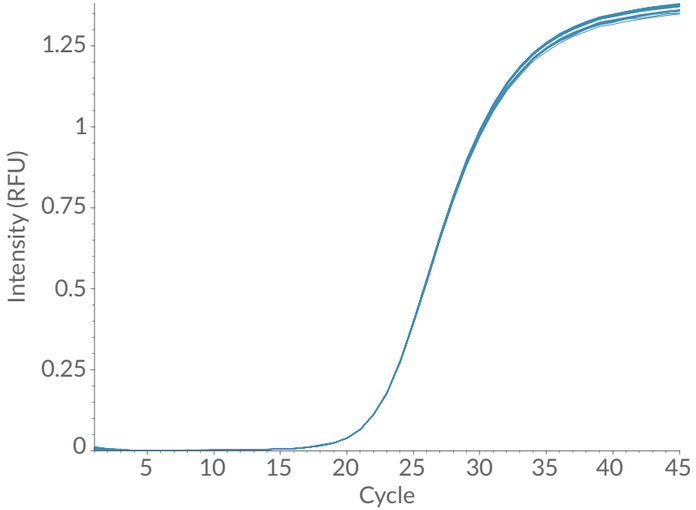
Users can now address biological phenomena with subtle effects on gene expression, or pathogen levels, for example discriminating 10% differences in transcript concentrations.

For users performing HRM-based. analysis of genetic variants, the combination of thermal control, optical data quality and HRM data analysis of the MyGo Mini system provide compelling functionality. The system can discriminate all classes of SNP, including Class 4 SNPs via HRM.

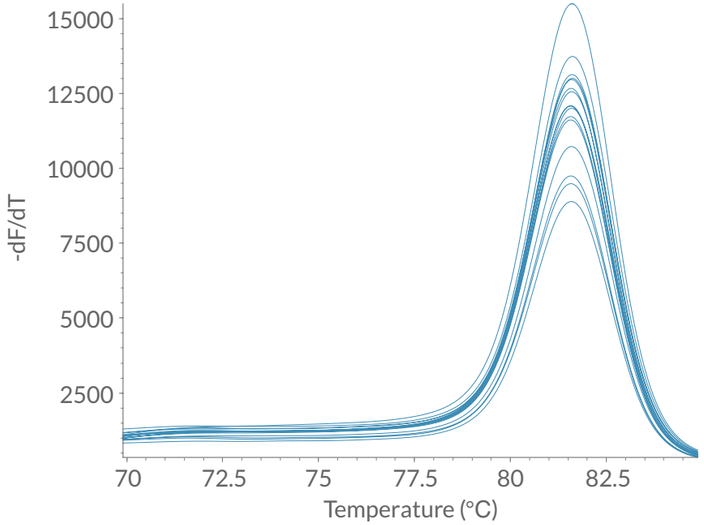
Duplicate PCR amplifications for 6 different concentrations of human cDNA, from 5ng per reaction to 2.4ng per reaction, in a 1.1 fold dilution series.



16 replicate PCR amplifications of a human gene target. Input template 5ng of total human cDNA per reaction. Average Cq 21.4 cycles, standard deviation 0.015 cycles.



16 replicate reactions, amplified and melted. Input template 10,000 copies of viral DNA per reaction. Average Tm 81.7°C, standard deviation 0.015°C.

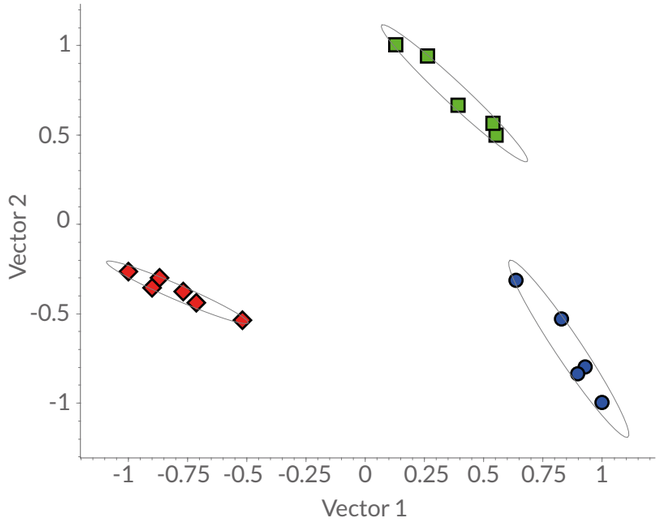


EASY ANALYSIS

The MyGo Mini system comes with easy-to-use software, and robust, high performance algorithms which provide accurate results from complex data.

Automated analysis of complex HRM data makes this powerful technique more accessible to non-experts, and minimises operator-dependent variability in data analysis.

Automated report generation makes life easier for service providers, and users operating within GLP quality systems.



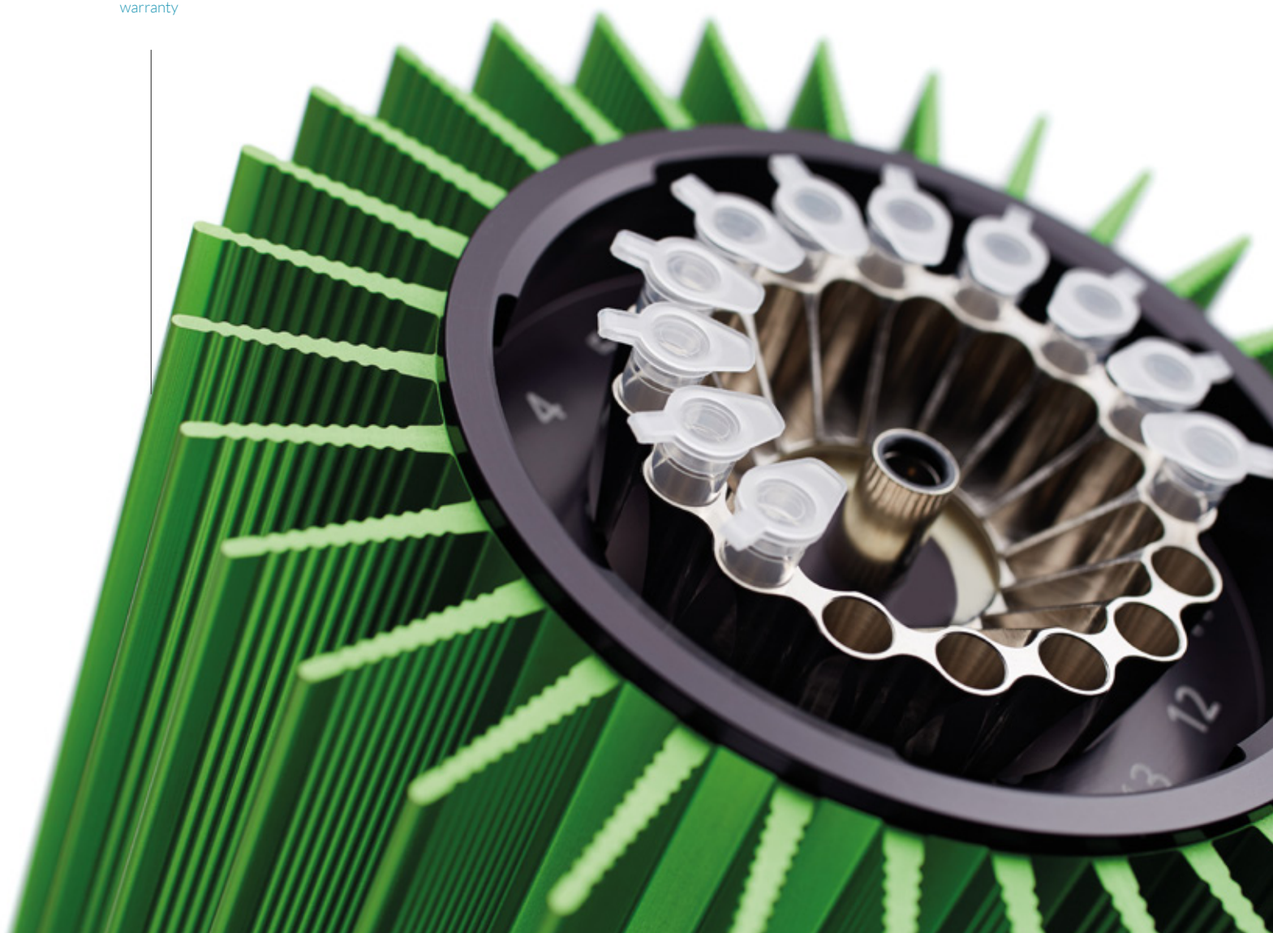
16 human DNA samples classified into 3 different genotypes by automatic clustering of a class 4 HRM data set.

SOLID-STATE RELIABILITY

The MyGo Mini is the world's first completely solid-state real-time PCR machine, with no moving parts. The MyGo Mini has been designed to last, then made and tested to exacting standards.

The result is a silent, highly reliable instrument, with the option of a 5 year extended warranty.

5yr
extended warranty



COMPATIBILITY

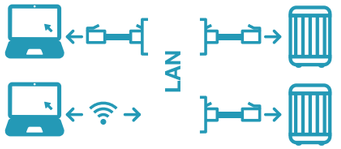
The MyGo Mini software can be installed on Mac OS X, Windows, and Linux operating systems. Use your choice of computer and operating system.
The MyGo Mini is also compatible with standard 0.1mL low-profile tubes, which are convenient and cost-effective.

CONNECTIVITY

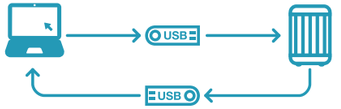
The MyGo Mini software does not require a dedicated computer, unlike some competitor instruments. So users do not need to find the space or money for an additional computer to run the system, and they can run the operating system that they are familiar with. In addition the MyGo Mini software enables the user to control hundreds of instruments whilst simultaneously analysing run data on one computer. No other qPCR system offers these benefits to the user.

MyGo Mini Connection Modes

1. Direct network connection



2. Local area network connection



3. USB drive connection

SPECIFICATION

Dimensions	W 12cm x D 12cm x H 16cm
Weight	2.5 kg
Operating noise	Silent
Electrical	
Voltage	100 - 240V AC ± 10%
Frequency	47-63Hz
Power	90W
Number of reactions	16
Format	0.1ml tubes
Reaction volume	10 - 100µl (20µl recommended)
Temperature control	
Method	Peltier
Range	37-99°C
Speed	3°C/s heating, 1.5°C/s cooling
Run time	< 60 minutes
Temperature control	
Resolution	0.01°C
Uniformity	0.05°C (SD)
Accuracy	± 0.25°C

Fluorescence	
Excitation	500nm (blue LED)
Detection	510 to 560nm (CMOS array)
Multiplex level	Duplex
Sensitivity	Single copy detection
Dynamic range	9-log
Precision	1.1 fold discrimination
Factory calibrated dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, CAL540, CAL560
User selected custom dyes	Yes
Supported assay formats	Intercalating dyes (e.g. SYBR Green I), Hydrolysis Probes
Connection options	LAN, Direct connection to computer (RJ45), PC-free (USB stick)

MyGo Mini

For more information please contact:

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