MyGo Mini
Real-Time PCR Cycler

Description

The MyGo Mini S is currently one of the most compact real-time PCR devices on the market. The smart cycler offers maximum reliability and delivers excellent results for a wide range of applications.
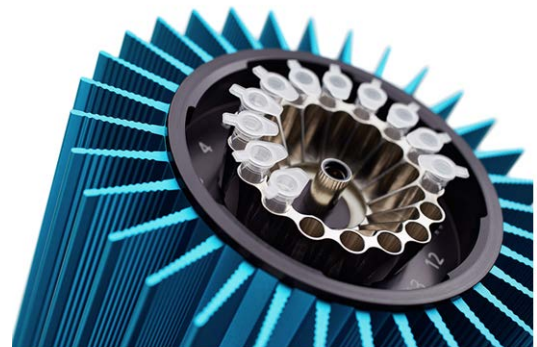
MyGo Mini S is easy to transport, easy to handle and almost silent in operation. It impresses with its low weight, very compact dimensions and robust design (no moving parts).

In addition, the Mini-Cycler is also a visual eye-catcher. Available in five attractive colours (blue, green, orange, pink, red).

Commercially available low-profile PCR tubes are used. Up to 16 samples can be used simultaneously. Control and evaluation software included.
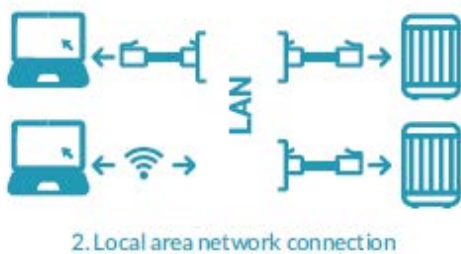

MyGo Mini S available in four colors

MyGo Mini with 16 well for 16 x 0,1 ml single tubes

Connection Options

1. Direct network connection

2. Local area network connection

3. USB drive connection

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Scope of Delivery MyGo Mini S

- MyGo® Mini S instrument
- Ethernet cable
- AC power supply
- MyGo® USB thumb drive
- Quick start user guide
- Single PCR tubes (200 tubes)
- Heavy duty flight case

LTF Labortechnik GmbH & Co. KG • Hattnauer Straße 18 • D-88142 Wasserburg/Bodensee • Tel. +49 (0) 83 82 / 98 52-0 • Fax +49 (0) 83 82 / 98 52-32
info@labortechnik.com • www.labortechnik.com

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MyGo Mini S
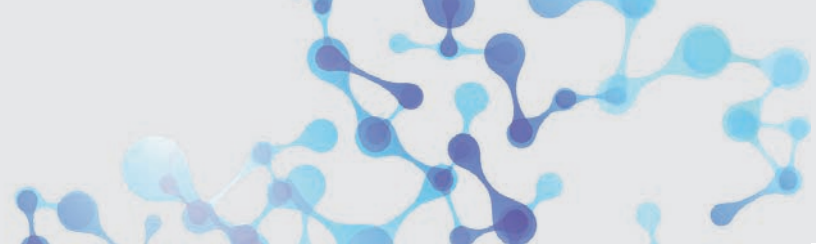# Real-Time PCR Cycler

Software

The powerful and easy-to-use software offers the following functions:

- Automated analysis modules for:
  - absolute and relative quantification
  - Melting curve analysis
  - endpoint genotyping
  - high-resolution melting (HRM)
- Quick start with templates for all important applications
- Analysis of full spectral data
- Generation of user-defined dye files for novel fluorophores
- Easy setup and editing of sample and target information
- Comprehensive data export functions
- Compatible with Windows, Mac and Linux systems
- Device startup from a USB flash drive using pre-programmed settings

Optical Data	
No. of channels	2 (Duplex)
Fluorescence Excitation	475 nm (blue LED)
Fluorescence-Detection	510 nm to 650 nm
Detector type	CMOS array
Detection sensitivity	Single copy detection
Dynamic range	9-log
Presicion	1.1 fold discrimination

Temperature Control	
Thermal system	Peltier, with aluminiuim mount
Temperature range	37°C to 99°C
Speed	3°C/s Heating 1.5°C/s Cooling
Thermal uniformity	± 0,1 °C
Thermal accuracy	± 0,25°C
Factory calibrated dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, CAL540, CAL560 (Generic Dye files).
Multiplex with red dyes	No
Supported assay formats	Intercalating dyes (e.g. SYBR Green I), Hydrolysis Probes

General Technical Data	
Order No. MyGo Mini S	112.2012
Number of wells	16 well
Tube format	0.1 ml tubes
Reaction volume	10 – 100 µl
Run time	<60 min
Status display	Lighting in the lid changes color
Interface	Desktop PC/laptop required Note: Protocols can be run from a preloaded USB thumb drive.
Software	Free Windows/Mac OS X or Linux operating software
Connetivity	LAN (RJ45), USB
Dimensions (Ø x H)	12 x 16 cm
Power consumption	90 W
Weight	2 kg
Electrical Voltage, Frequency	100 – 240 V AC +/–10%, 50 – 60 Hz +/–10%

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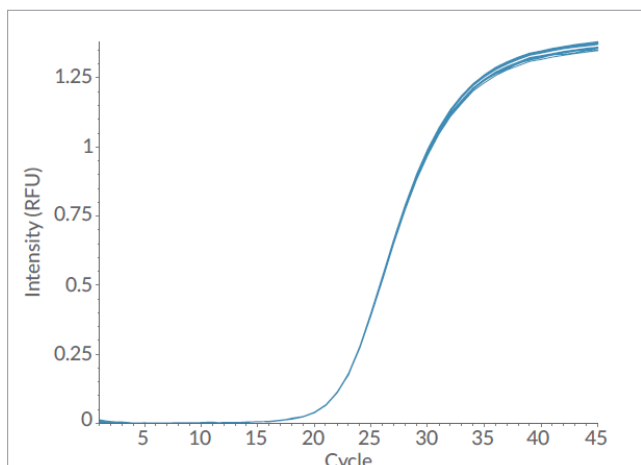info@labortechnik.com • www.labortechnik.com

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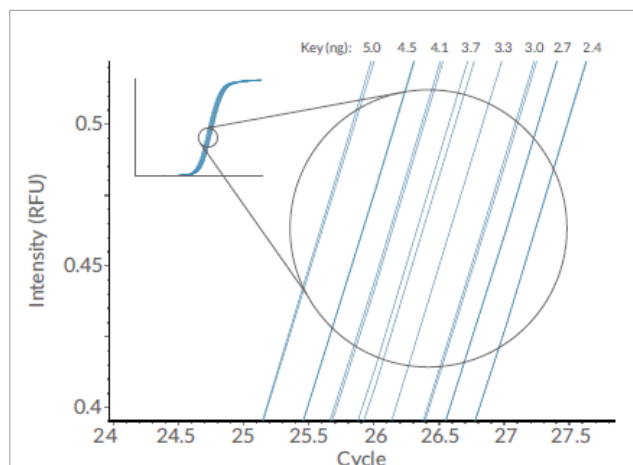## Precision and Performance

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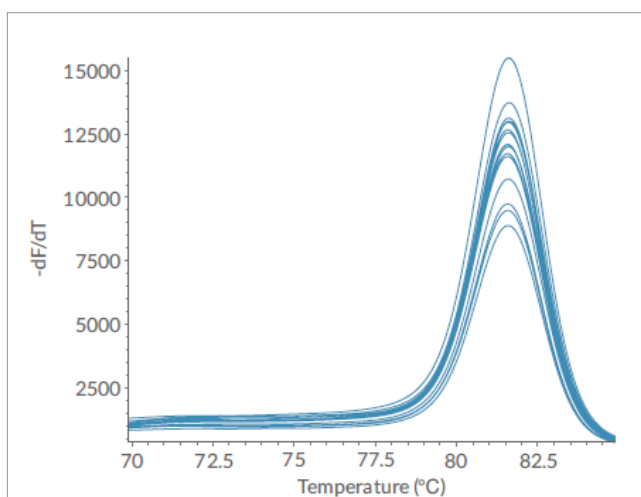
For users performing HRM-based. analysis of genetic variants, the combination of thermal control, optical data quality and HRM data analysis of the MyGo Mini system provide compelling functionality. The system can discriminate all classes of SNP, including Class 4 SNPs via HRM.
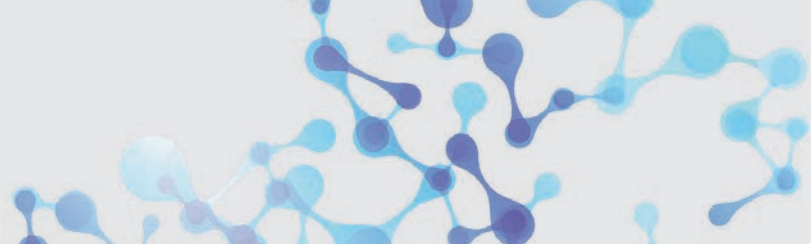

16 replicate PCR amplifications of a human gene target. Input template 5ng of total human cDNA per reaction. Average Cq 21.4 cycles, standard deviation 0.015 cycles.

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 reactions, amplified and melted. Input template 10,000 copies of viral DNA per reaction. Average Tm 81.7ºC, standard deviation 0.015ºC.
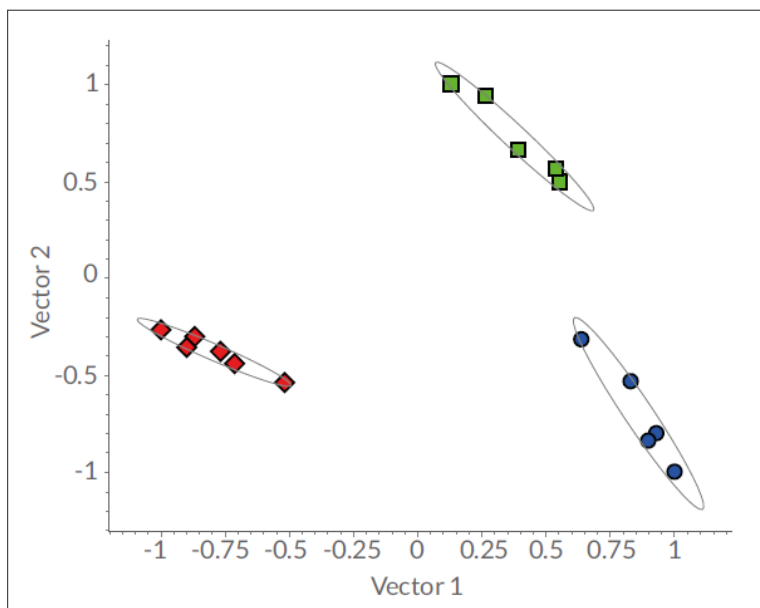
Easy Analysis

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.

Accessories Power Adapter

The PSU power supply adapter allows the MyGo Mini to be connected to an on-board voltage or 12 V car battery. PCR to Go!

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