

powerful performance - small footprint



MyGo Pro[®]

Realtime PCR System

MyGo Pro® Specifications

Assembled from just a few building blocks the robust **MyGo Pro®** 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.

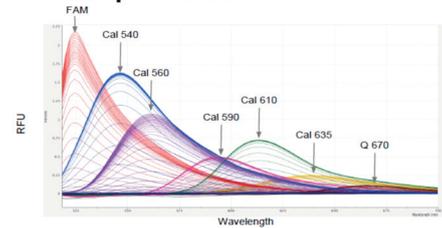
Excitation is provided by high intensity LEDs filtered to provide light at 500nm that is capable of exciting all fluorophores commonly used in qPCR. A prism is used to generate spectra from fluorescent emissions. These spectra are imaged using a CMOS camera.

The powerful and easy to use software provides the following features:

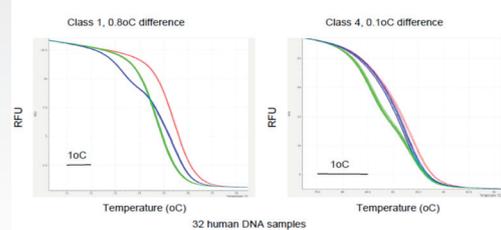
- Automated analysis modules for:
 - absolute and relative quantification
 - melting curve analysis
 - endpoint genotyping
 - high resolution melting (HRM)
- Quick start using templates for all major applications
- Analysis of full spectral data
- Generation of custom dye files for novel fluorophores
- Straightforward setup and editing of sample and target information
- Comprehensive data export functions
- Compatible with Windows, Mac & Linux Systems
- Instrument start from a USB flash drive, using preprogrammed settings

MyGo Pro® Software is delivered and easily installed from a USB flash drive. The software has no license restrictions. When installed in a network, the software can control several **MyGo Pro®** Instruments connected via LAN.

7 Plex spectra view



HRM thermal resolution



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: 5°C/s & Cooling Rate: 4°C/s
Temperature uniformity	+/- 0.05°C (SD)
Temperature accuracy	+/- 0.25°C
Run Time	<50 min
Fluorescence Excitation	500 nm nm (blue LED)
Fluorescence Detection	120 optical channels from 510 to 750 nm (CMOS camera)
Supported Assays Formats	Intercalating dyes (e.g., SYBR Green I), Hydrolysis Probes, Molecular Beacons, SimpleProbes, HybProbes
Factory-Calibrated Dyes (at shipment)	SYBR Green I / FAM / ResoLight; VIC / HEX / Yellow555; LC RED 610 / Texas Red; Cy5
Multiplexing Capabilities	Up to 7 targets
Applications	Relative and Absolute Quantification Analysis Melting Peak Analysis Endpoint Genotyping Analysis High Resolution Melting (HRM)
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)