

*powerful performance - small footprint*



# MyGo Pro<sup>®</sup>

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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.

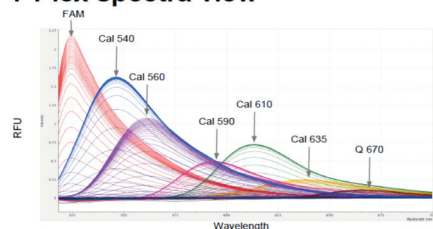
Excitation is provided by high intensity LEDs filtered to provide light at 500nm that is capable of exciting all fluorophores commonly used in qPCR. A prism is used to generate spectra from fluorescent emissions. These spectra are imaged using a CMOS camera.

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

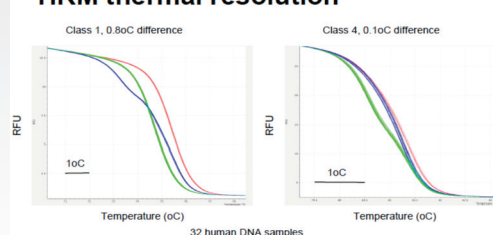
- Automated analysis modules for:
  - absolute and relative quantification
  - melting curve analysis
  - endpoint genotyping
  - high resolution melting (HRM)
- Quick start using templates for all major applications
- Analysis of full spectral data
- Generation of custom dye files for novel fluorophores
- 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:

|  |   |
|--|---|
| <b>Dimensions</b>                            | W 9.45 in x D 10.63 in x H 9.06 in<br>(W 24 cm x D 27 cm x H 23 cm)   |
| <b>Weight</b>                                | 15.43 lbs (7 kg)  |
| <b>Operating noise</b>                       | <40 dB(A)   |
| <b>Electrical</b>                            | Voltage: 100 - 240 V (+ 10%)<br>Frequency: 50 - 60 Hz (+ 10%)<br>Power: 170 W   |
| <b>Number of reactions</b>                   | 32  |
| <b>Reaction Vessels</b>                      | 0.1ml tube and/or 8-tube strips   |
| <b>Reaction volume</b>                       | 10 - 100 µl (20 µl recommended)   |
| <b>Temperature cycling system</b>            | Peltier-based heating & cooling from +40 to +99°C<br>Heating rate: 5°C/s & Cooling Rate: 4°C/s  |
| <b>Temperature uniformity</b>                | +/- 0.05°C (SD)   |
| <b>Temperature accuracy</b>                  | +/- 0.25°C  |
| <b>Run Time</b>                              | <50 min   |
| <b>Fluorescence Excitation</b>               | 500 nm nm (blue LED)  |
| <b>Fluorescence Detection</b>                | 120 optical channels from 510 to 750 nm (CMOS camera)   |
| <b>Supported Assays Formats</b>              | Intercalating dyes (e.g., SYBR Green I), Hydrolysis Probes, Molecular Beacons, SimpleProbes, HybProbes                                  |
| <b>Factory-Calibrated Dyes (at shipment)</b> | SYBR Green I / FAM / ResoLight; VIC / HEX / Yellow555; LC RED 610 / Texas Red; Cy5  |
| <b>Multiplexing Capabilities</b>             | Up to 7 targets   |
| <b>Applications</b>                          | Relative and Absolute Quantification Analysis<br>Melting Peak Analysis<br>Endpoint Genotyping Analysis<br>High Resolution Melting (HRM) |
| <b>Sensitivity</b>                           | 1.1 fold discrimination<br>9-log dynamic range<br>Single copy detection   |
| <b>Connection options</b>                    | LAN<br>Direct connection to computer (RJ45)<br>PC-free (USB stick/flash drive controlled)   |