



PERFORMANCE MADE EASY

MYGO PRO vs LIGHTCYCLER® NANO



YOUR
COMPLETE
GUIDE TO
UPGRADING

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This guide describes benefits provided by upgrading your LightCycler® Nano to a MyGo Pro.

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[MyGo] Pro

The MyGo Pro provides unmatched performance in a convenient format. Novel Full Spectrum Optics deliver 120 optical channels of fluorescence data from every tube for exceptional multiplex PCR. High performance Peltier elements, combined with solid silver blocks, provide both speed and proven world-leading thermal uniformity.

Performance made easy...

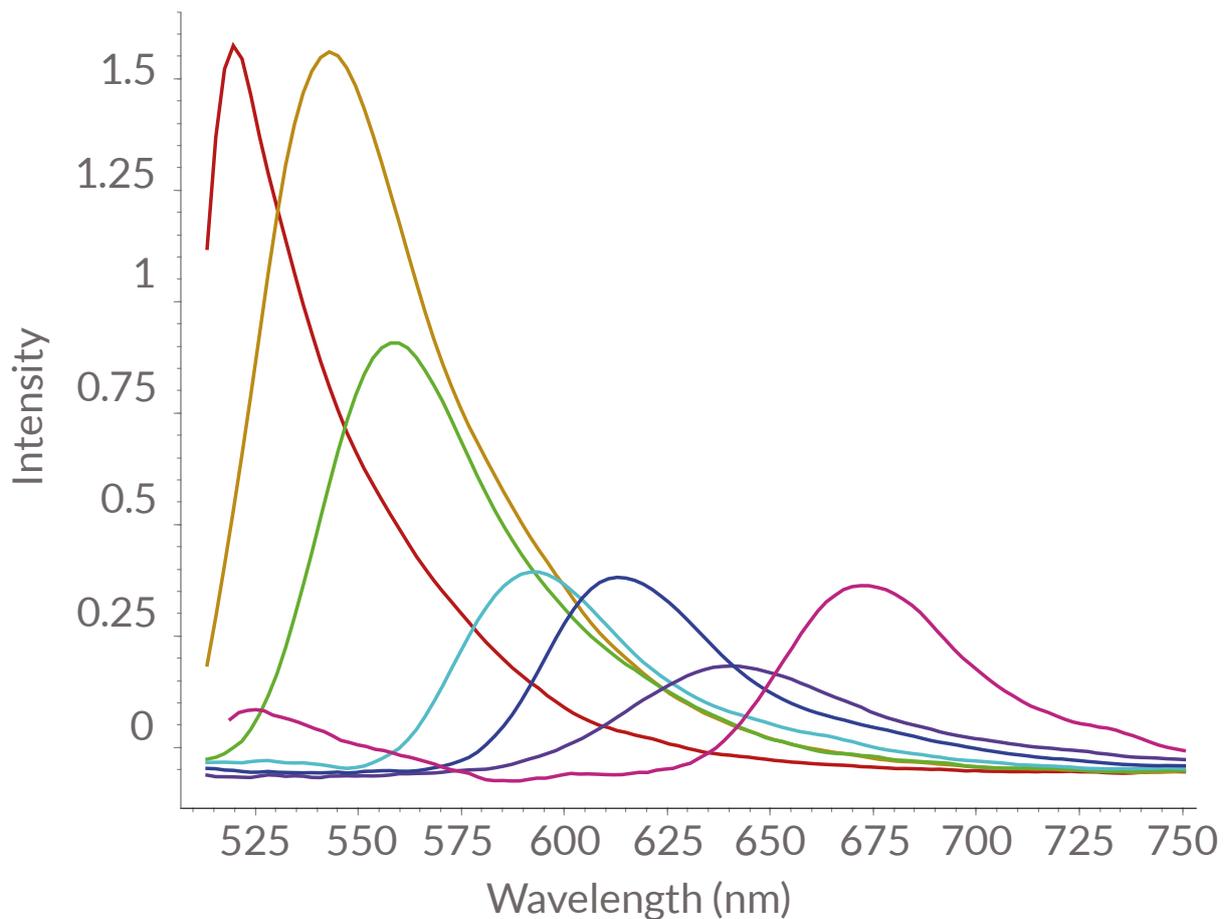


BENEFITS

MULTIPLEXING

MYGO PRO SPECIFIED FOR 7 PLEX

Improved optical performance and an expanded set of compatible dyes mean that the MyGo Pro is capable of performing a 7-plex reaction, whereas the Nano is only specified as capable of performing 2-plex reactions.



Fluorescence emission of 7 different hydrolysis probes acquired during qPCR.

FAM

USER GENERATED DYE FILES

HEX

A new data analysis module is provided with the MyGo Pro which enables the user to automatically generate a dye file for any fluorescent reporter of their choice. The Nano does not enable the user to use new reporters.

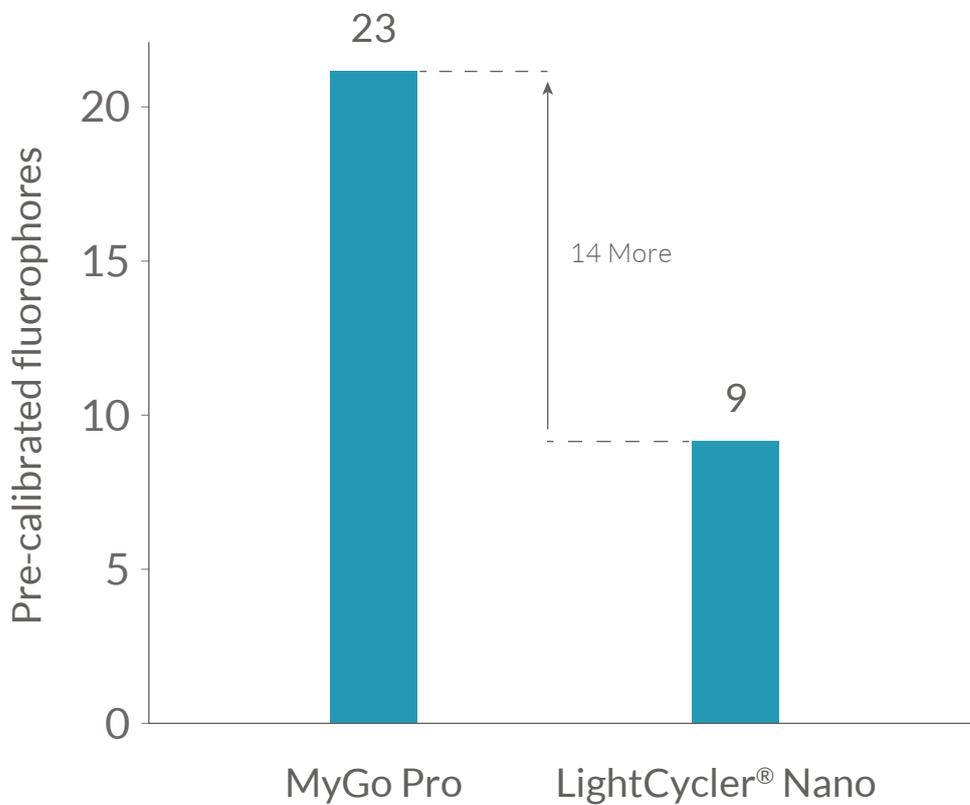


EXPANDED SET OF PRE-CALIBRATED FLUORESCENT LABELS

For the user's convenience, the MyGo Pro comes pre-loaded with a broader range of pre-calibrated fluorescent signatures than the Nano.

FULL SPECTRAL DATA ANALYSIS IMPROVED WITH NEW BACKGROUND SUBTRACTION PROCESS

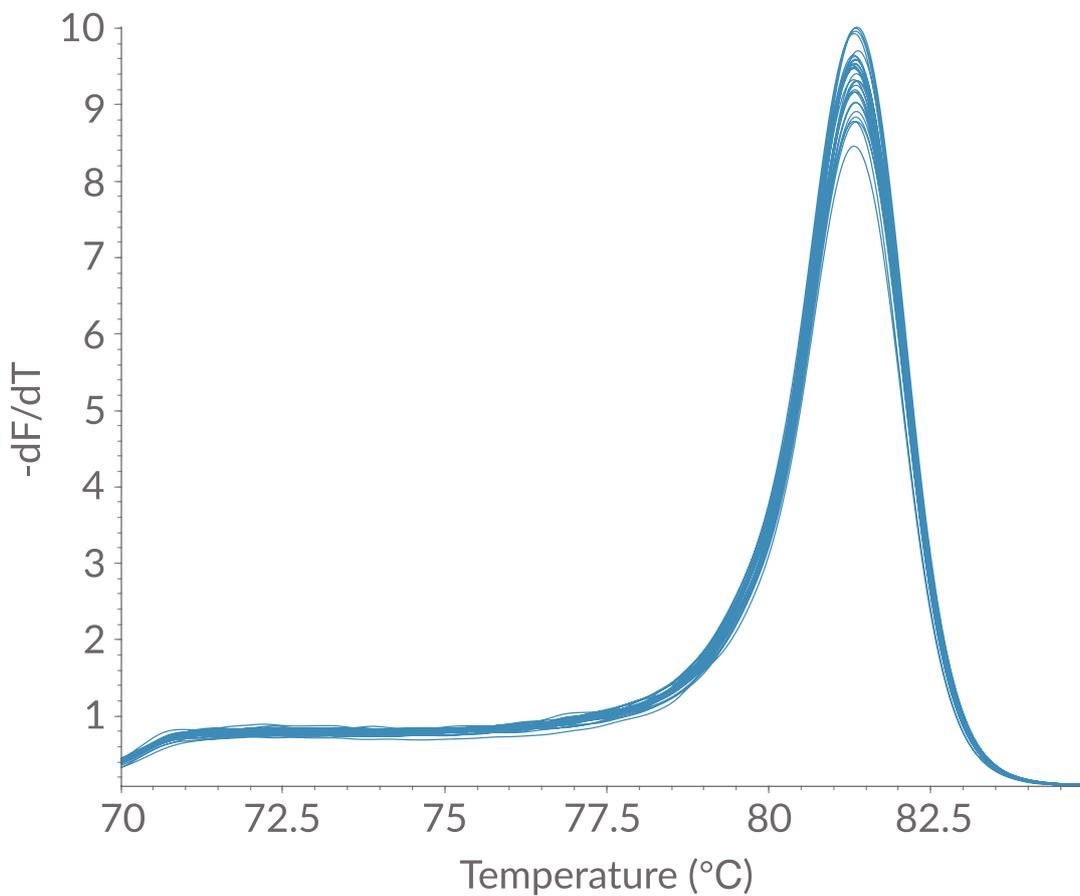
A new data analysis function is provided in the MyGo Pro software for background subtraction which improves the quality of fluorescent spectra.



Number of pre-calibrated fluorescent labels in the MyGo Pro compared to the LightCycler® Nano.

IMPROVED THERMAL UNIFORMITY

Improvements in the manufacturing processes mean that the MyGo Pro delivers typical thermal non-uniformity [TNU] $\pm 0.05^{\circ}\text{C}$ (SD). This is twice as good as the $\pm 0.1^{\circ}\text{C}$ (SD) of the LightCycler[®] Nano.



32 replicate reactions,
amplified and melted,
standard deviation of T_m
 0.020°C . Input template
10,000 copies of viral DNA.

SOFTWARE AND USER-INTERFACE

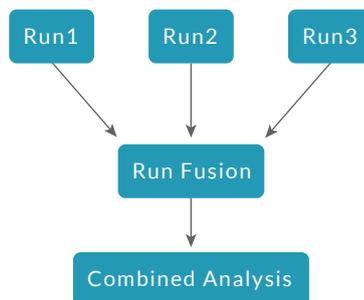
RESIZABLE PANES WITHIN SOFTWARE FOR IMPROVED DATA VISUALISATION

A common request from users of the Nano software was the option of resizing panes within user interface for improved ease of use. For example to provide a bigger pane focussing on a graph of interest. The MyGo Pro software provides this functionality.



RUN FUSION (NEW FEATURE)

The MyGo Pro software is able to fuse multiple experiments together in Run Fusion. This powerful tool, not available on the LightCycler® Nano, will increase your ability to analyse multiple experiments at one given time.



IMPORT FUNCTION FOR SAMPLE LAYOUT INFORMATION

This new function provided by the MyGo Pro software enables users to import sample name and layout information from LIMS and common spreadsheet applications for ease of use.

COMPREHENSIVE SELECTION OF INTERNAL AND EXTERNAL CONTROL TYPES

An expanded selection of control types in the software facilitates the analysis of data with a broader variety of internal and external controls.

REPORT GENERATION (NEW FEATURE)

The MyGo Pro also introduces report generation, allowing users to create reports from experiments. This is very useful in routine lab situations.



Excel

Import
Sample
Info



MyGo | Pro
SOFTWARE

Export



Report

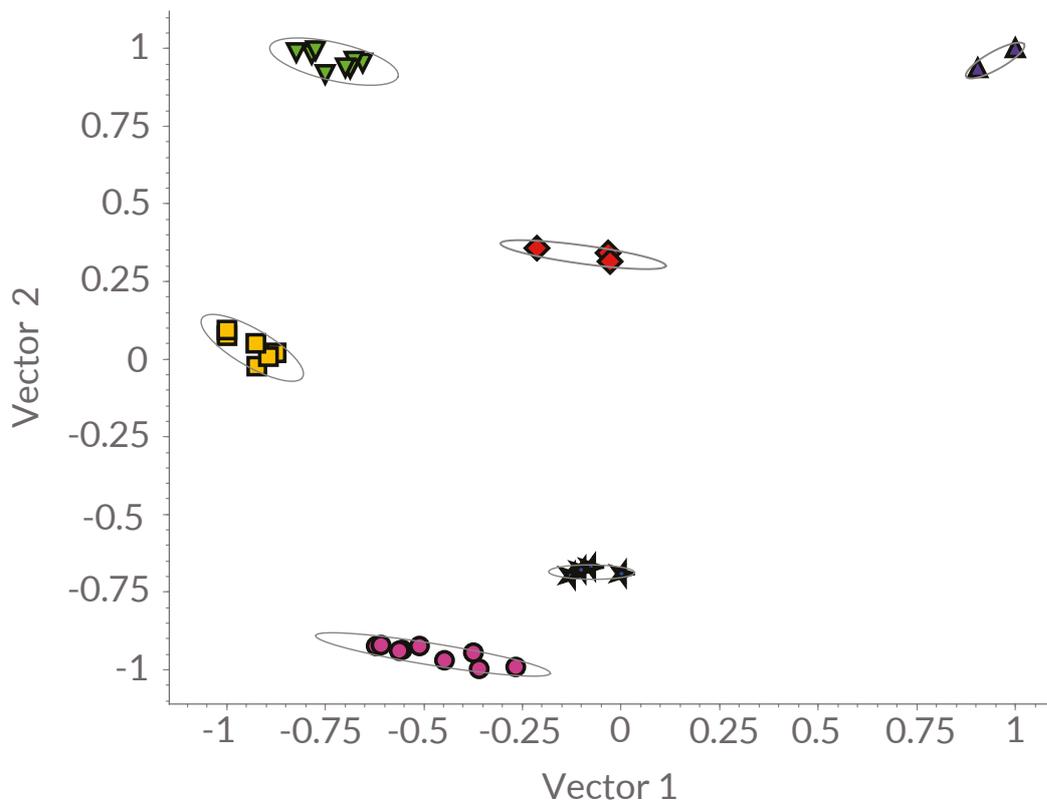
MELT POINT ANALYSIS

AUTOMATED PEAK IDENTIFICATION

A new MyGo Pro analysis module provides automated peak identification and characterisation features that reduce the requirement for manual parameter setting as needed when using the manual analysis module provided with the Nano.

AUTOMATED HRM DATA ANALYSIS MODULE

In support of HRM users the MyGo Pro comes with a new fully automated HRM data analysis module. This data analysis module provides both unsupervised and guided clustering of genotypes for accurate, convenient HRM genotyping.



32 human DNA samples classified into 6 different genotypes by automatic clustering of HRM data.

TAQMAN® GENOTYPING

AUTOMATED GENOTYPE CLUSTER ANALYSIS FOR IMPROVED EASE OF USE.

The MyGo Pro TaqMan genotype data analysis module provides the user with the option to perform automated or manual clustering of genotypes, whereas the Nano only supports manual clustering.

Cq

AMPLIFICATION ANALYSIS

IMPROVED QUALITATIVE CALLING ALGORITHMS

Based on data obtained from edge cases in the field with the Nano, we have been able to improve the algorithms used to perform positive/negative calling so that they now provide even more sensitive results without compromising specificity.





COMPARISON TABLE

MELTING POINT ANALYSIS

	MyGo Pro	Nano
Thermal uniformity	-0.05°C	-0.1°C
Automated peak identification	✓	✗

MULTIPLEXING

	MyGo Pro	Nano
Pre-calibrated dyes	23	9
User generated dye files	✓	✗
Enhanced background subtraction	✓	✗
Multiplex level	7	2

WARRANTY

	MyGo Pro	Nano
Extended warranty available	✓	✗

GENOTYPING

	MyGo Pro	Nano
Automated HRM	✓	✗
Automated TaqMan genotyping	✓	✗

ANALYSIS

	MyGo Pro	Nano
Run fusion	✓	✗
Report generation	✓	✗
Sample layout import	✓	✗
Expanded control types	✓	✗
Flexible panes	✓	✗

ROCHE LIGHTCYCLER® NANO UPGRADE OPTIONS

We can offer the following options for users seeking to upgrade Roche LightCycler® Nano instruments to MyGo Pro instruments:

1. Part exchange of a faulty Nano and the provision of a brand new MyGo Pro.
2. Part exchange of a working Nano and the provision of a brand new MyGo Pro.
3. Part exchange of a faulty Nano and provision of a remanufactured instrument with upgrades to the optics, main board and temperature measurement electronics.
4. Part exchange of a working Nano and provision of a remanufactured instrument with upgrades to the optics, main board and temperature measurement electronics.



extended
warranty

NEW WARRANTY

Obtain peace of mind with a new 12 month manufacturer's warranty, with the option of extending your new warranty to 5 years.

Please contact your local representative for more information.

All trademarks are property of their respective owners. Design and specifications are subject to change without notice.

[MyGo] Pro

www.mygopcr.com

