

MyGo Pro vs LightCycler Nano

Colour multiplexing:

MyGo Pro specified for 7 plex, Nano only specified for 2 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.

User generated dye files

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

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

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.

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.

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 system provides this functionality.

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.

Melting 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.

Improved thermal uniformity

Improvements in 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 Nano.

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.