

MyGoPro Realtime PCR Cycler

Assembled from just a few building blocks the robust MyGoPro® 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.

Technische Daten

Optical channels:	120
Multiplex level:	up to 7
Wavelength range:	510 – 750 nm
Heating:	5 °C pro Sekunde
Cooling:	4 °C pro Sekunde
Thermal uniformity:	0.1 °C
Temperature range:	40 – 99 °C
Well:	32
Reaction volume:	10 – 100 µl
Tube format:	0.1 ml single tubes or 8 well strips
Applications supported:	Relative and absolute quantification analysis, Melting point analysis, TaqMan genotyping Analysis, High Resolution Melting (HRM)
Assay formats supported:	SYBR Green, HRM, TaqMan, SimpleProbe, Hybridisation Probe
Operating system:	Windows 7, Mac OS, Linux
Connection:	LAN, direct connection or USB-Stick
Operating noise:	< 40 dB
Power consumption:	170 W
Voltage:	230 V / 50 Hz
Dimensions:	22,5 cm high, Ø 25 cm
Weight:	6,9 kg

