

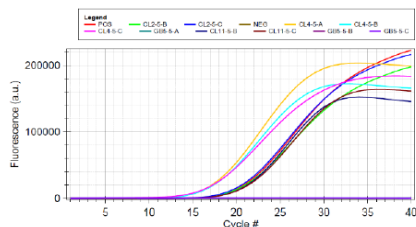


- > Fast DNA/RNA amplification and detection
- > Analyze your data using filters and statistical tools
- > Share your analysis worldwide with bDATA®

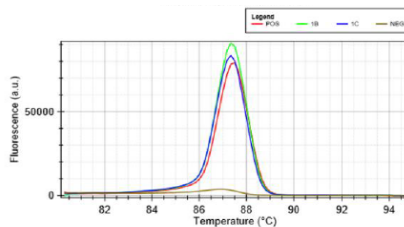


Real Time DNA/RNA amplification and detection

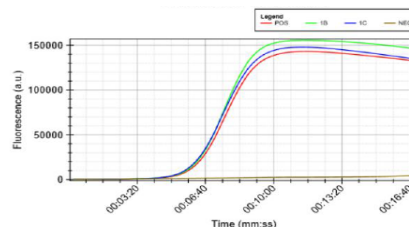
- Detection in less than 15 minutes for Isothermal amplification
- Automatic results interpretation
- Auto-adaptive thermal control that sweeps from very fast (thermal cycling) to very slow ramps (melting curves)
- High speed detection enables high resolution melting curves (sampling < 0.05 °C)
- Wireless and wired connectivity for maximum flexibility
- bDATA® services feature cloud storage as well as remote control and monitoring



PCR cycling - FAM wavelength



PCR cycling - FAM wavelength



PCR cycling - FAM wavelength

Features

- Smart analysis with Hyris bAPP
- Wireless bCUBE control enables "in the field" bio-molecular detection
- Start your analysis with a few touches, no need to be an expert
- Monitor the detection progress in real-time
- Compatible with Smart phones, Tablets, PCs/Notebooks
- Runs on all Operating Systems: Windows, Linux, MacOS/iOS
- Live sync with bData®

TABLE 1. Technical specifications of bCUBE

SPECIFICATIONS	bCUBE
Dimensions and weight	100 x100x120 mm, 1.15 Kg
User Interface	bAPP (Multi Platform)/bPANEL (Windows PC)
Communication Interfaces	WiFi, Ethernet
Sample Number	16 samples or 36 sample cartridge
Reaction Volume	10 to 30 µl (depends on the specific analytical kit)
Light source	High brightness LEDs-2 wavelengths
Excitation wavelength	472 and 530 nm
Optical Detection	High resolution, low noise CMOS Camera (5MP)
Acquisition time	<1s-Total time for all samples
Detected wavelengths	572 nm to 524 nm
Thermal Block	Peltier module for heating and cooling
Temperature sensor	High precision NTC resistor
Temperature control range	20-99 °C
Temperature ramp	Up to 1.5 °C
Power supply and consumption	12 V-DC, Max 60W

NOTE: Instrument specifications may change without notice in an ongoing effort of product improvement.