



Hyris bCUBE™ 3

# Portable, fast, easy x3.

## DATASHEET

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Visit our website:

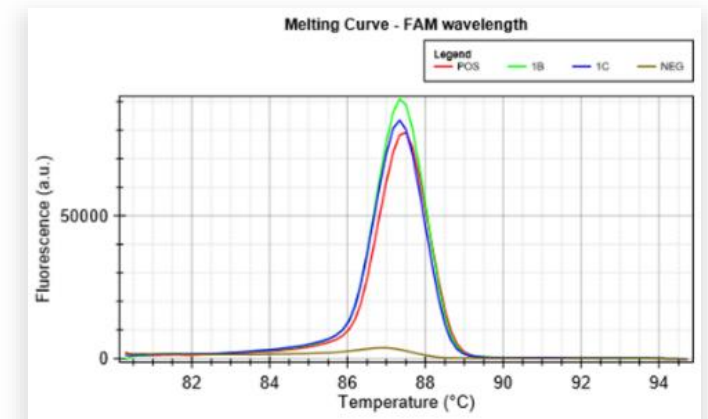
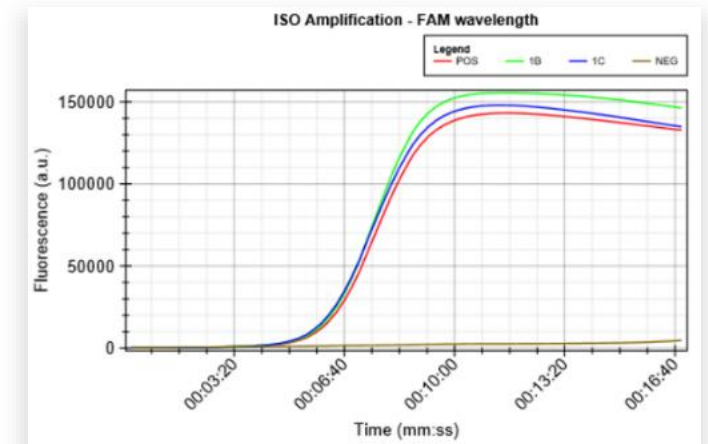
[www.hyris.net](http://www.hyris.net)

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# HYRIS bCUBE™ 3

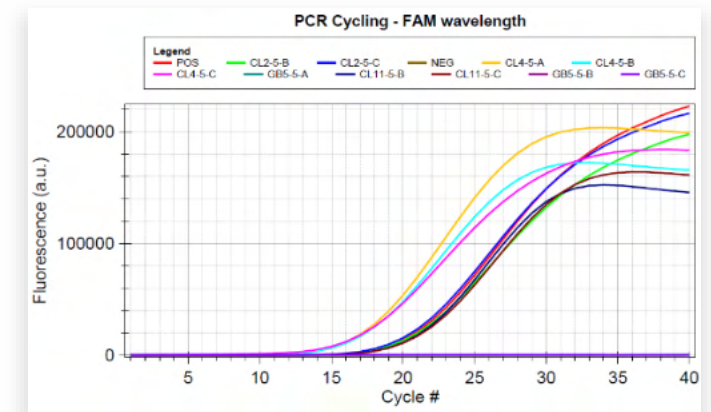
- Portable, fast DNA/RNA amplification and detection
- Robust, Compact, Lightweight for “in the field” operation
- High precision thermal control
- Performing Isothermal Amplification, Real Time PCR and Melting Curves
- Simultaneous 3 wavelengths detection (FAM, HEX, CY5)
- Enhanced connectivity: WiFi, Ethernet
- HYRIS bDATA™ service features cloud storage as well as remote control and monitoring



# HYRIS bCUBE™ 3

## 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





# Get smarter with HYRIS bAPP™

- Smart analysis portability with Hyris bAPP™
- Wireless HYRIS bCUBE™ 3 control enables “in the field” bio-molecular detection
- Link each sample with photographs and GPS tags
- Start your analysis with a few touches, no need to be an expert
- Watch the detection progress in real-time
- Compatible with Smartphones, Tablets, PCs/Notebooks
- Runs on all Operating Systems: Windows, Linux, MacOS/iOS
- Live sync HYRIS bDATA™ service



## HYRIS bPANEL™

- Get full control of HYRIS bCUBE™ 3 with HYRIS bPANEL™ Windows PC interface
- Isothermal (LAMP) or Thermal Cycling (Real Time PCR) protocols supported
- Offline use supported
- Get raw data from the instrument and export it for processing with your favorite software
- Create and share custom PDF reports of your experiments

# HYRIS bCUBE™ 3 | Ref: H0001 - Technical Specs

DIMENSION	<b>100 x 100 x 120 mm</b>
WEIGHT	<b>1.2 kg</b>
USER INTERFACE	<b>HYRIS bAPP™ (Multi Platform) / HYRIS bPANEL™ (Windows PC)</b>
COMMUNICATION INTERFACES	<b>WiFi, Ethernet</b>
SAMPLE NUMBER	<b>16 samples on standard cartridge 36 samples on new cartridge</b>
REACTION VOLUME	<b>10 to 25 µl</b>
LIGHT SOURCE	<b>High brightness LEDs – 3 wavelengths</b>
EXCITATION WAVELENGTHS	<b>472 nm, 530 nm and 630 nm</b>
OPTICAL DETECTION	<b>High resolution, low noise CMOS Camera</b>
ACQUISITION TIME	<b>&lt; 1s – Total time for all samples</b>

DETECTED WAVELENGTHS	<b>572nm, 524 nm and 665 nm</b>
THERMAL BLOCK	<b>Peltier module for heating and cooling</b>
TEMPERATURE SENSOR	<b>High precision NTC resistor</b>
TEMPERATURE RESOLUTION	<b>&lt; 0.05 °C</b>
TEMPERATURE UNIFORMITY	<b>± 0.1 °C</b>
TEMPERATURE CONTROL RANGE	<b>20 – 99 °C</b>
TEMPERATURE RAMP	<b>Up to 1.5 °C/s</b>
POWER SUPPLY	<b>12 V – DC</b>
POWER CONSUMPTION	<b>Max 60W</b>





**For more information  
and commercial  
inquiries**



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