



vitrocycler



# Real-time PCR system

- Multi-C  
Up to 6 Channels
- Bluetooth
- °C  
Gradient
- E-partition  
Temp. Control
- AUTO CASE
- Peltier  
PeltierInside™
- CMOS

 vitro  
master diagnóstica®

# VitroCycler

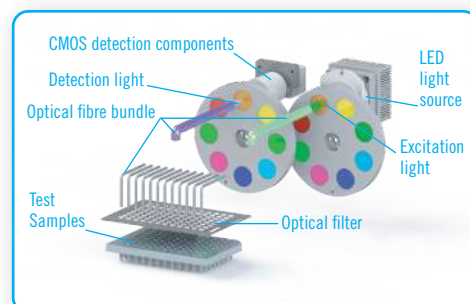


- ✓ This is the first real-time PCR thermal cycler from Vitro, S.A.
- ✓ The single constant current power supply and the use of 6-partition temperature control ensure quick, accurate and stable results from any quantitative fluorescence analysis.
- ✓ The modular design - with a variety of configuration options - and added temperature gradient, sample cryopreservation at 4 °C, automatic dehumidification and other functions, meet all of the user's needs.

## Features

### Photoelectric image sensor

- Fast capture of the fluorescent signal from each well: 1 second per channel.
- The excitation and detection channels have separate filters, making it suitable for secondary excitation detection experiments.
- The high-end fibre optic line has been designed to increase the intensity of the fluorescent signal, reduce optical transmission loss and eliminate the optical path difference of the edge without any calibration.



### 6-position thermal module

- Ferrotec 72-series Peltier cooler with a service life that is three times longer than that of a traditional thermal module.
- Micro heat pipe technology, which improves transfer efficiency.
- Accurate and separate 6-position temperature control, improving reaction speed.
- Temperature uniformity, faster temperature ramps.



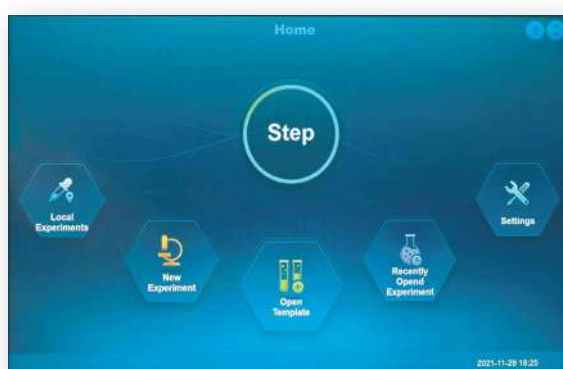
### Smart lid

- Tightly sealed lid to prevent reagent evaporation.
- The lid can be adjusted automatically to make it suitable for various types of tubes.



# Fully customisable software

- ✓ Large touchscreen.
- ✓ Design compliant with international standards, to suit the operating habits of users from domestic and international markets.
- ✓ Flexible program configuration; comprehensive analytical functions and reports; all settings can be saved.
- ✓ Intelligent software system; a wide linear analysis range; good reproducibility of experimental results.



## Technical specifications

Model	VitroCycler					
Tube/plate type	PCR plate, 96 x 0.2 ml					
Detection channels	F1	F2	F3	F4	F5	F6
Fluorophore	FAM, SYBR Green I	VIC, HEX, JOE, TET	ROX, TEXAS-RED	Cy5, Quasar-670	Cy5.5, Quasar-705	Optional
Temp. range	4 °C - 99.9 °C					
Heating range	Must be no lower than 3.5 °C/s					
Cooling range	Must be no lower than 3 °C/s					
Temp. module	Must be no higher than 0.1 °C/s					
Temp. uniformity	+/- 0.3 °C					
Lid temp.	105 °C +/- 5 °C					
Fluorescence test	CV < 3 %					
Operating mode	Continuous					
Operating system	Windows 7 / Windows 8 / Windows 10					
Voltage	100-240 V, 50 Hz, 1000 VA					

REFERENCE	DESCRIPTION	QUANTITY
VIT-VitroCycler	Real-time PCR system	1 unit
BER-BSH08S01	96-well PCR plate	10-unit pack
BER-BSH14S1	PCR plate sealer	10-unit pack



[www.vitro.bio](http://www.vitro.bio)

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