

RIDA® CYCLER

The multiplex real-time PCR instrument

User-friendly magnetic induction real-time PCR system
for SureFood® and SureFast® PCR kits

- Easy to use
- Fast
- Compact



Features

- Compact** Portable and compact qPCR instrument with Bluetooth technology
- Fast** Fast qPCR results through rapid heating and cooling using a patented magnetic induction technology and fan forced air for cooling
- Easy** High speed centrifugation ensures samples spin down at the start of a run – no extra centrifuge needed
- Pre-loaded oil overlay inside each tube prevents evaporation and condensation
- User-friendly software set-up with pre-loaded thermoprofiles
- Operate up to 10 instruments from one workstation

Specifications

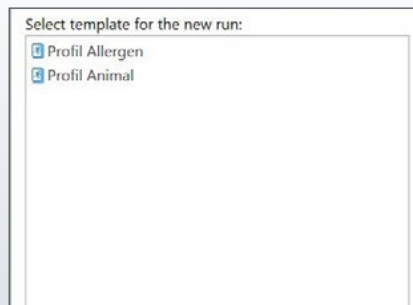
Dimensions	130 x 150 x 150 mm (H x W x L)		
Weight	2.1 kg		
Optical			
Detectors	Photodiode per channel		
Excitation Sources	High power LED for each channel		
4 Channels	Green	Ex 465nm	Em 510nm
	Yellow	Ex 540nm	Em 570nm
	Orange	Ex 585nm	Em 618nm
	Red	Ex 635nm	Em 675nm
Tube format	0.1mL strips of four tubes and matching caps 48 samples per instrument		
Thermal performance	Temperature accuracy: ± 0.25 °C Temperature uniformity: ± 0.05 °C Ramp rates Heating: 4 °C/s (fast mode) Cooling: 3 °C/s (fast mode)		
Computer minimum requirements			
<ul style="list-style-type: none">Windows® 7, 32-bit (English version) Operating System.NET Framework 4.5 or higherIntel i5 processor, 2.4 GHz4 GB of RAM1 GB free hard drive capacity		<ul style="list-style-type: none">Pointer deviceUSB DriveAdobe® Reader® must be installed to be able to view reports in PDF formatBluetooth®, if this is the preferred connection	
Calibration			
No calibration required – RIDA®CYCLER is a non-contact system. The rotor is not in contact with anything physical just the induction field.			

RIDA® CYCLER Software

qPCR Run

User-friendly software set up with all SureFast® and SureFood® assays pre-loaded.
Start the qPCR run in only 4 steps:

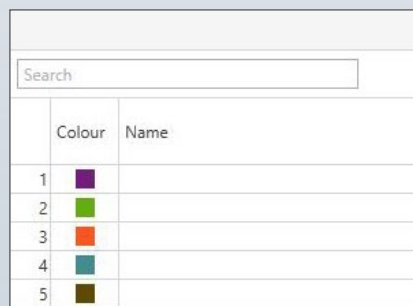
1 Select the template



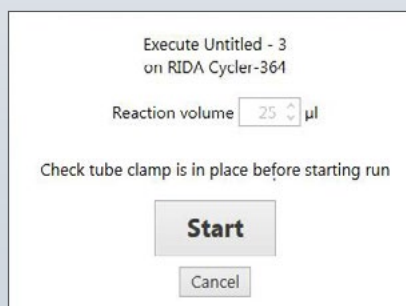
2 Select the Assay(s)



3 Enter Samples Names



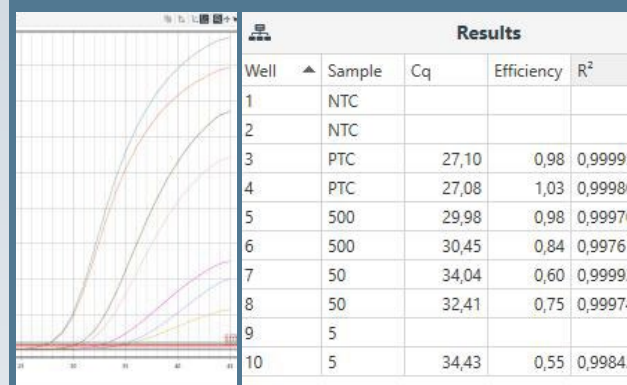
4 Start Run



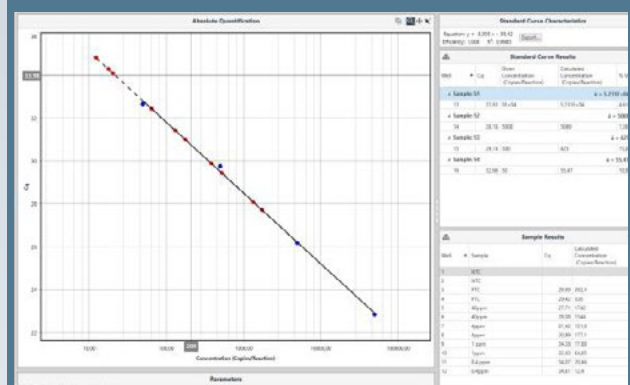
Results

Analysis options:

Cycling: Determination of the quantification cycle (Cq)/ cycle threshold (ct) and reaction efficiency of each sample



Absolute Quantification: Quantify the unknown concentration of a sample using a standard curve generated with samples of a known quantity



Report options: Configure the report as needed and export it e.g. as PDF

Ordering information

Product	Description	Art. No.
RIDA®CYCLER	4 channel qPCR instrument, incl. 1 box of tubes	ZRCYCLER
RIDA®CYCLER-MIC-Tubes	Box with 960 tubes and caps	ZRC-MIC-TUBES

SureFast® and SureFood® real-time PCR Kits

All kits are validated on the RIDA®CYCLER

Product range:

- Allergens
- GMO
- Animal species
- Microbiology



**SureFood®/SureFast®
real-time PCR kits**
Product Overview

Benefits

Size – qPCR instrument with a small footprint

Modular – Connect multiple instruments wireless to one PC

Convenient – Pre-loaded assays – no more programming

Reliable results – Validated for SureFast® and SureFood® real-time PCR Kits

• Simple

• Fast

• Accurate results

For further information please visit: www.r-biopharm.com