



RIDA® CYCLER

Multiplex real-time PCR instrument

User-friendly real-time PCR system for RIDA® GENE PCR kits

- Easy to use
- Fast
- Compact



5 reasons for using RIDA® CYCLER



Small, **compact** instrument – fits into any lab. No pre-centrifugation and no calibration required.



Unique magnetic induction technology ensures superior temperature uniformity and **fast**, reliable results.



Tubes with pre-loaded oil overlay prevent condensation and evaporation leading to reduction of contamination risk.



Modular system - connection of up to 10 RIDA® CYCLER to one PC, via Bluetooth® and USB. Flexible sample throughput without extra wiring.



Easy operation due to intuitive software with thermal profiles for direct file import. Simultaneous processing of different assays with same thermal profile.

Specifications

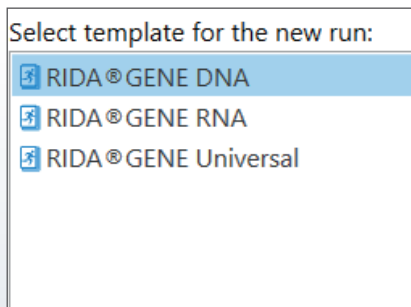
| General | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Dimensions | 130 x 150 x 150 mm (H x W x L) | | |
| Weight | 2.1 kg | | |
| Optical | | | |
| The optical system has a fixed optical path and no moving parts. | | | |
| Detectors | Photodiode | | |
| Excitation Sources | High power LED | | |
| 4 Channels | Green | Ex 465nm | Em 510nm |
| | Yellow | Ex 540nm | Em 570nm |
| | Orange | Ex 585nm | Em 618nm |
| | Red | Ex 635nm | Em 675nm |
| Performance | | | |
| Tube format | 0.1 mL strips of four tubes and matching caps 48 samples per instrument | | |
| Thermal performance | Temperature accuracy: | ± 0.25 °C | |
| | Temperature uniformity: | ± 0.1 °C | |
| | Heating: | 5 °C/s | |
| | Cooling: | 4 °C/s | |
| Running time | 69 min. (Universal), 59 min. (DNA), 87 min. (RNA) | | |
| Computer minimum requirements | | | |
| <ul style="list-style-type: none"> Windows® 7, 32-bit (English version) Operating system .NET Framework 4.5 or higher Intel i5 processor, 2.4 GHz 4 GB of RAM 1 GB free hard drive capacity | | <ul style="list-style-type: none"> USB Drive Adobe® Reader®, must be installed to be able to view reports in PDF format Bluetooth®, if this is the preferred connection | |

RIDA®CYCLER Software

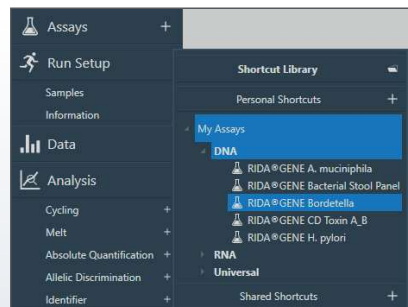
Plug & Play – only 4 steps to start a qPCR run

No extra programming necessary – all RIDA®GENE templates and assays are provided for easy file import.







1 Select the template



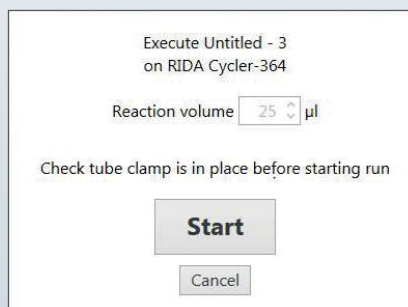
2 Select the assay(s)



3 Enter samples names

| | Colour | Name |
|---|-------------------------------------------------------------------------------------|----------|
| 1 |  | Sample 1 |
| 2 |  | Sample 2 |
| 3 |  | |
| 4 |  | |
| 5 |  | |
| 6 |  | |

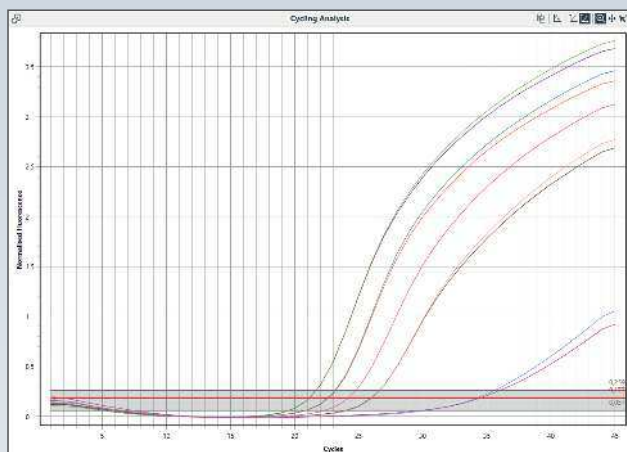
4 Start run



RIDA®CYCLER measures all positions in every run, which minimizes the risk of data loss.

Results

The system generates a configurable result report for every run. This report can be exported as PDF or CSV file.



| Well | Sample | Cq | Efficiency | R ² | Result |
|------|--------|-------|------------|----------------|----------|
| 1 | 5.1 | 21,11 | 1,04 | 0,99859 | |
| 2 | 5.2 | 21,10 | 0,99 | 0,99925 | |
| 3 | 4.1 | 22,57 | 0,90 | 0,99990 | |
| 4 | 4.2 | 22,50 | 0,89 | 0,99991 | |
| 5 | 3.1 | 25,91 | 0,77 | 0,99982 | |
| 6 | 3.2 | 26,01 | 0,86 | 0,99915 | |
| 7 | 2.1 | 34,11 | 0,32 | 0,99915 | |
| 8 | 2.2 | 34,31 | 0,28 | 0,99957 | |
| 9 | 1.1 | | | | Excluded |
| 10 | 1.2 | | | | Excluded |
| 11 | NTC | | | | Excluded |
| 12 | PTC | 24,13 | 0,84 | 0,99983 | |

Order information

| Product | Description | Art. No. |
|-----------------------|---------------------------------------------------------------------------------------------------------|---------------|
| RIDA®CYCLER | qPCR thermocycler, 4 channels, incl. 1 box with reaction tubes for research use only | ZRCYCLER |
| RIDA®CYCLER-MIC-Tubes | Box with 960 reaction tubes and caps | ZRC-MIC-TUBES |

Available RIDA®GENE real-time PCR assays

| Product | Art. No. |
|---------------------------------|----------|
| Virology | |
| RIDA®GENE Flu | PG0505 |
| RIDA®GENE Flu & RSV | PG0545 |
| RIDA®GENE Viral Stool Panel II | PG1325 |
| RIDA®GENE Norovirus I & II | PG1415 |
| RIDA®GENE RSV & hMPV | PG5905 |
| Bacteriology | |
| RIDA®GENE MRSA | PG0605 |
| RIDA®GENE CD Toxin A/B | PG0825 |
| RIDA®GENE Clostridium difficile | PG0835 |
| RIDA®GENE EHEC/EPEC | PG2205 |
| RIDA®GENE Bacterial Stool Panel | PG2405 |
| RIDA®GENE Bordetella | PG2505 |



More RIDA®GENE real-time PCR assays are available on request. For further information please contact your local R-Biopharm representative.



For more information on our PCR assays please use the QR Code