

RIDA® UNITY

The flexible solution for your molecular diagnostics lab

Complete
system IVDR
compliant!



Efficient



Safe



Flexible

The advantages of RIDA[®]UNITY

RIDA[®]UNITY combines sample extraction, PCR setup and real-time PCR into one workflow for maximum walk-away time



Efficient

- Up to 96 reactions per run can be processed fully automated within approx. 3 h 30 min
- Cross-matrix extraction of both DNA and RNA and ready-to-use reagents
- Full access to eluates allow eluate re-use and storage



Safe

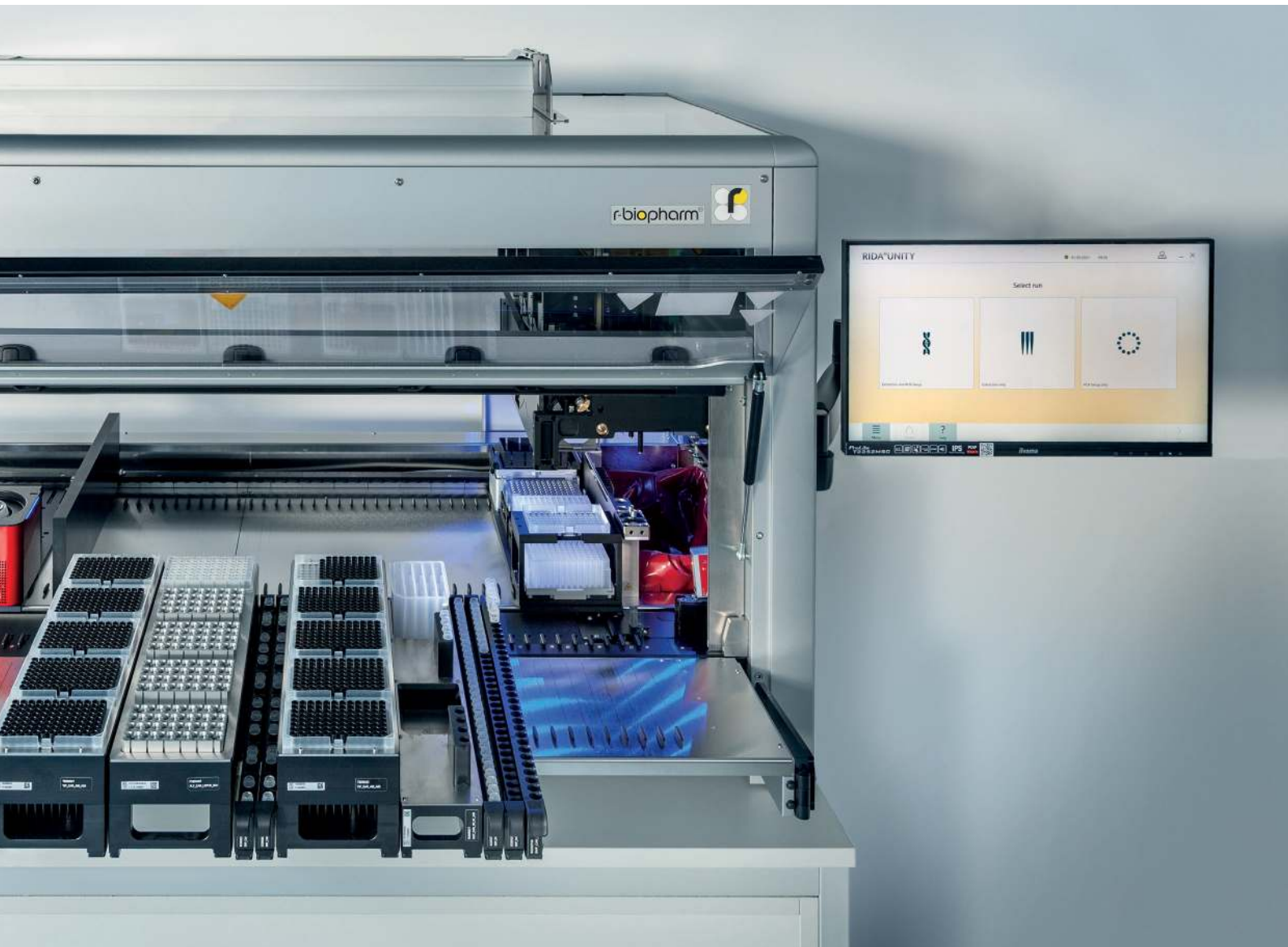
- Consistent barcoding of all reagents and consumables guarantees maximum safety together with seamless traceability
- Comprehensive sensory system and process controls ensure stable workflows and reliable results
- Operating the entire system is easy due to the graphical software interfaces



Flexible

- RIDA[®]UNITY can be used to carry out an entire workflow, to only extract or to process a PCR run and/or PCR setup
- Up to six different assays can be combined in the same run
- The workflow can be customised with additional external PCR cyclers to meet the requirements of your laboratory

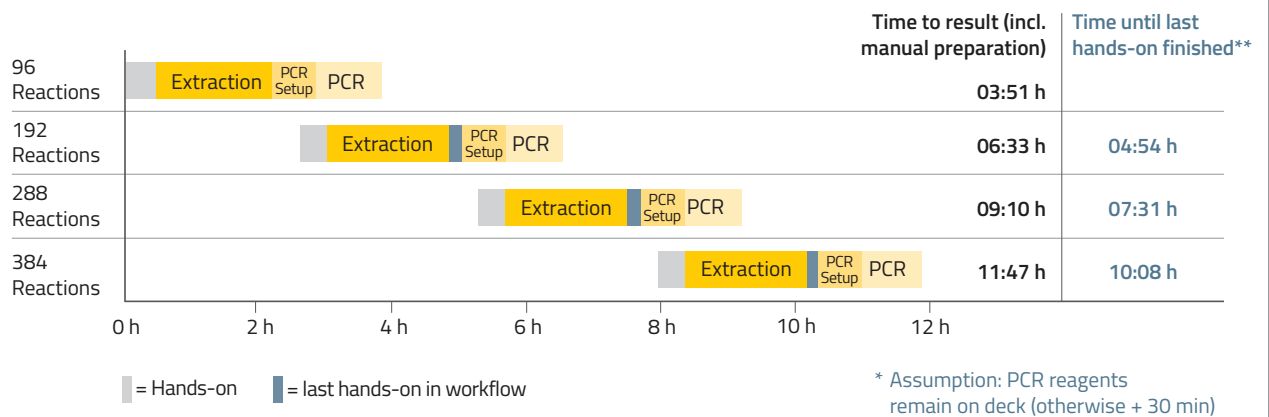




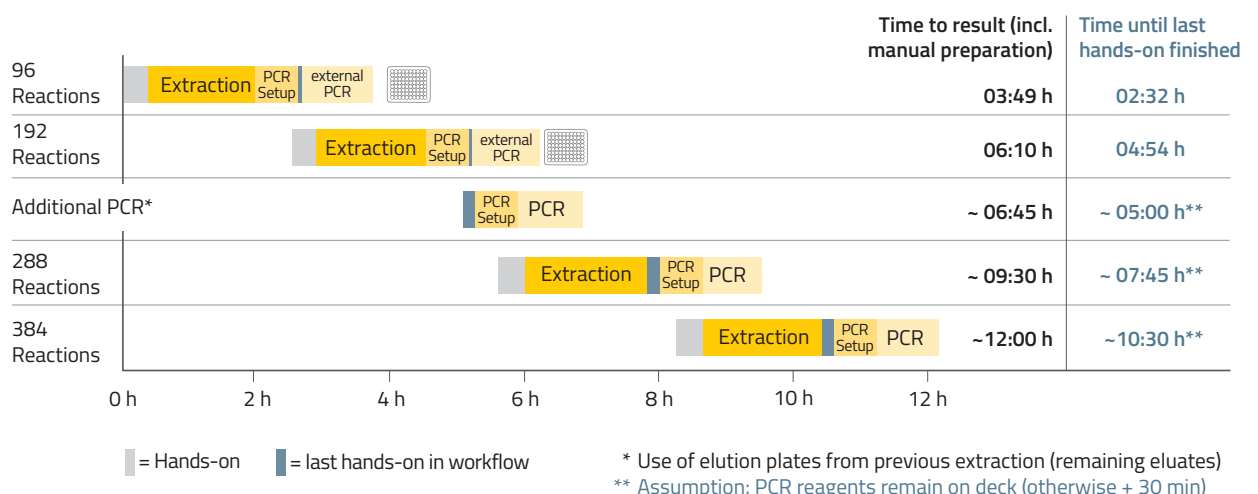
RIDA®UNITY workflow

RIDA®UNITY allows you to process up to three runs on one day. Start processing the next samples while your PCR is still running

By intelligently nesting the individual work steps, the RIDA®UNITY system can process up to 288 samples on one workday.



The RIDA®UNITY system adjusts flexibly to the requirements in your laboratory. Combine the individual workflows to meet your specific requirements (sample workflow).



RIDA®UNITY kits

With the ready-to-use RIDA®UNITY reagents you can significantly shorten the time setting up your RIDA®UNITY system

RIDA®UNITY Universal Extraction Kit

- RIDA®UNITY Universal Extraction Kit can be used universally for gastrointestinal and respiratory DNA and RNA pathogens
- The kit uses proven „Magnetic Beads“-based purification technology
- The extraction kit allows you to process up to 96 samples



RIDA®UNITY Internal Control Kit

- RIDA®UNITY Internal Control Kit acts as a universal process control for the complete workflow
- All steps from extraction to amplification can be monitored
- RIDA®UNITY Internal Control Kit can be used for DNA as well as RNA assays



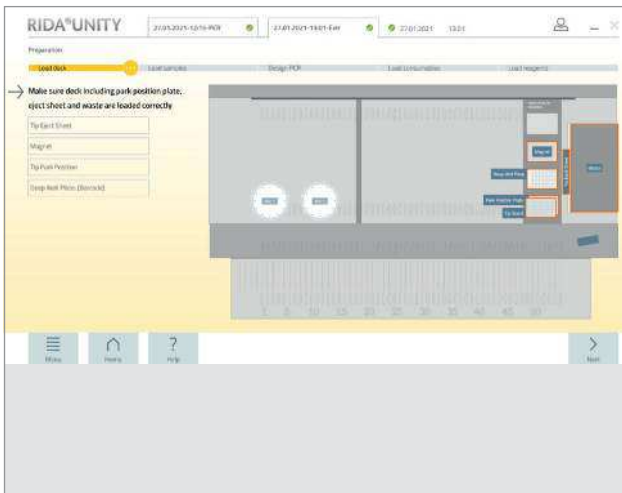
RIDA®UNITY PCR Assay Kits

- RIDA®UNITY PCR assays are based on the proven and well renowned RIDA®GENE PCR assays
- The kits offer qualitative detection of gastrointestinal and respiratory pathogens
- A universal PCR amplification protocol allows up to six PCR assays to be combined with one another flexibly in the same run



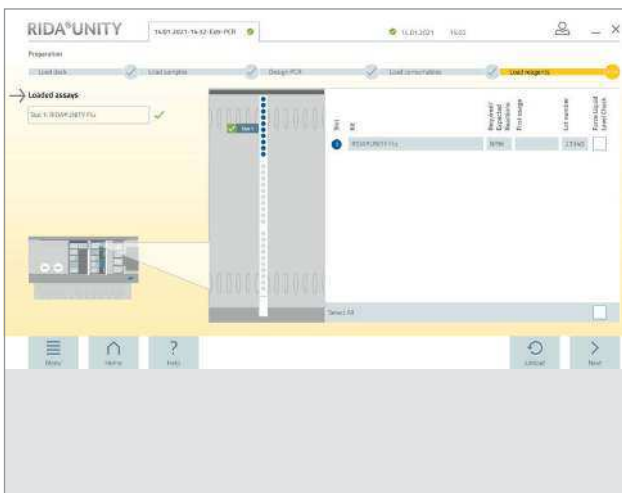
RIDA[®]UNITY software

RIDA[®]UNITY Software – for simple and intuitive operating of the RIDA[®]UNITY system



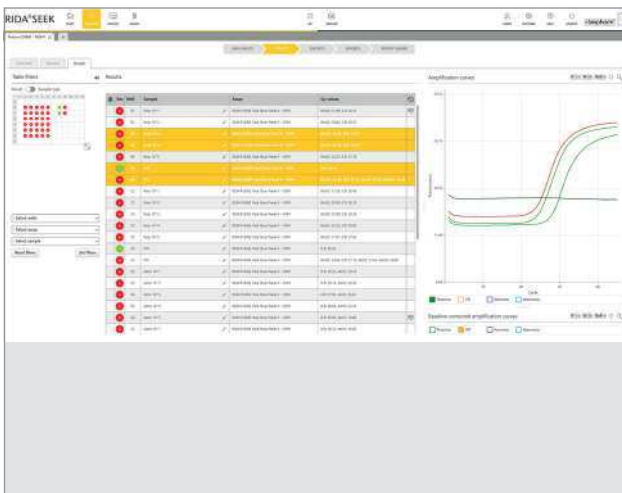
Loading consumables and samples

- Both the RIDA[®]UNITY software and the instrument-integrated LEDs guide users in loading the system with the necessary consumables
- Sample tubes loaded into the carriers (primary tubes possible) are automatically read by the system and requests are transferred from the laboratory information system



Loading PCR reagents

- The PCR reagents can be positioned anywhere within the available carrier slots
- Integrated LEDs show the correct position of the carrier and, therefore, increase process safety



Evaluating the results

- Using the automated RIDA[®]SEEK evaluation software makes the analysis and interpretation of PCR results safe and reliable
- Process controls can be easily monitored and safely archived together with the analyses
- To increase data security, the results are also stored on a local server
- The (unidirectional) LIS connection for transferring results is possible

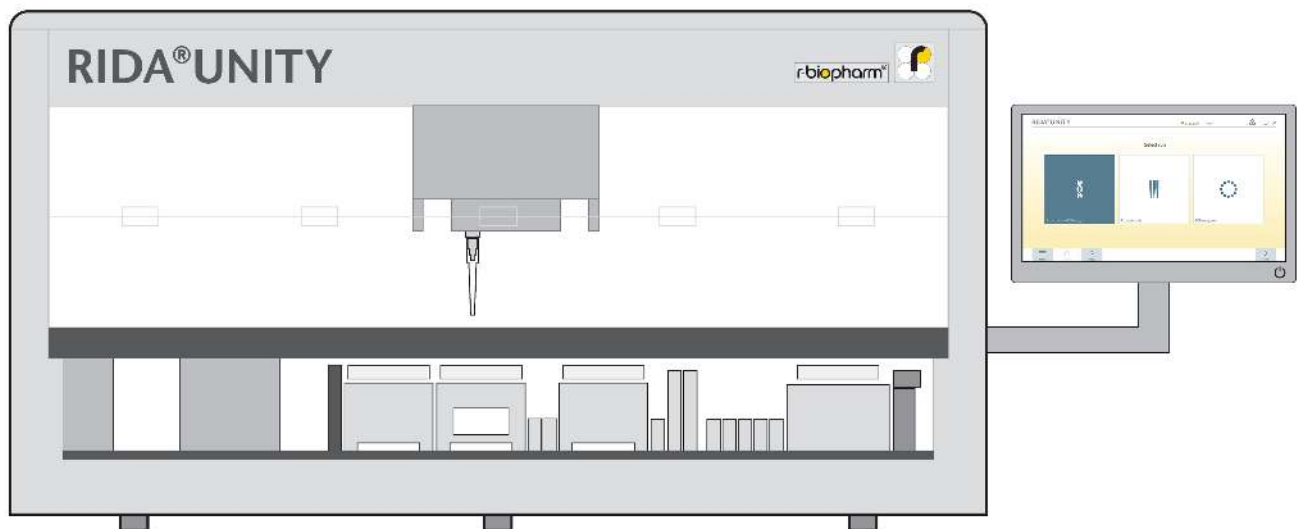
RIDA®UNITY service & support



- Our highly qualified staff offers quick installation and on-site commissioning
- In-depth training and education on using the system provided by our application specialists ensure an optimal user experience
- Device qualification based on IQ/OQ
- Consultation and support in connecting to the laboratory computer system
- Support in routine use for operating your system correctly
- After-sales support for all questions



RIDA[®] UNITY device specifications



Technical data

| | |
|------------------------|-----------------------------------------------------|
| Dimensions (W x D x H) | 1664 x 795 x 903 mm |
| Weight | 163 kg |
| Sample throughput | 96 reactions/run |
| Samples per day | Up to 288 samples |
| Sample volume | 200 µL |
| Reagent capacity | Up to six PCR tests parallel |
| LIS connectivity | Bidirectional CLSI LIS01 - A2 CLSI LIS02 - A2 |

Ambient conditions

| | |
|--------------------------|--------------------------------|
| Environmental conditions | 15 - 30 °C |
| Relative humidity | 15 - 85 % (no condensation) |

For more information, please contact your R-Biopharm representative or visit our homepage.



<https://r-b.io/pcrcl>