

RIDA®CUBE SCAN

Semi-automation for enzymatic rapid and single tests



Just-in-time results without collecting samples



Simple and user-friendly



Cost-effective, robust and stable

Advantages of semi-automation of your single enzymatic tests

RIDA®CUBE SCAN is a small, cost-effective walk-away system for enzymatic rapid and single tests. Due to its compact design, the RIDA®CUBE SCAN allows you to semi-automate your enzymatic determinations at any location. The use of the system simplifies and shortens the performance of your enzymatic tests by single-dose reagents. After sample input via the tablet and sample addition, the test is performed automatically.

The results are then displayed on the tablet and can be exported to your computer. As a result, users with low sample throughput and single tests in particular benefit from the RIDA®CUBE SCAN in terms of time and cost savings, flexibility, simplification of test execution and avoidance of execution errors. In addition, the system is completely maintenance-free and extremely robust.

Features & Advantages



Cost-effective

Low purchase price, maintenance-free device and no reagent discarding



Simple

Ready-to-use reagents for individual tests



User-friendly

RFID-card with all test settings and calibration curves



Flexible

Semi-automated processing of individual samples at any time and from anywhere



Time saving

The rapid test is automated from the moment the sample is added



Location independent

Small and portable device
(16 x 13 x 14.5 cm)

RIDA®CUBE SCAN, Art. No. ZRCS0546/ZRCS0580



This is Johannes: Introduction to one of our customers

Welcome to a small wine producer from a well-known wine growing region in Germany. Johannes' focus is not so much on a large range of wines, but rather on the consistently high quality of his wines. In order to control the production and the quality of his wines, Johannes has established a strict production monitoring. He performs 2 - 10 wine analysis per week in his production, resulting in a maximum annual requirement of 520 determinations. His challenges have been the same for years:

- To make enzymatic analyses affordable, he had to collect his samples
- The processing of the analyses was error-prone
- Due to the package sizes, which were too large for him, expired reagents were repeatedly discarded
- His co-workers and Johannes himself were tied up during the tests (45 - 60 min per analysis run, and sometimes for only 2 - 3 samples)
- Sometimes he had to send in samples for analysis, which was cost-intensive

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Johannes, a wine producer from Germany



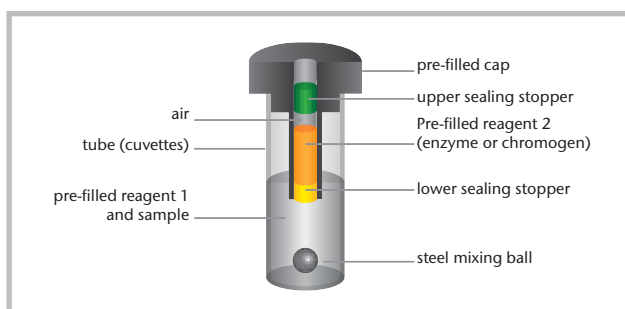
The introduction of the RIDA®CUBE SCAN has fundamentally changed the daily work of Johannes and his employees for the better. Thanks to the innovative single-test design of the RIDA®CUBE SCAN, he now only uses the reagents he actually needs, thus avoiding the discarding of expired reagents. He can now perform the analyses on a small table, because the RIDA®CUBE SCAN requires very little space. The results of his analyses are faster and there are no more handling errors, as he only has to pipette the sample into the single-test cartridge for a test (one sample = one cartridge). Johannes can test each wine sample as it comes up and no longer has to collect samples over the week. Overall, since the introduction of the RIDA®CUBE SCAN, he has saved time and money while increasing convenience during testing. Johannes and his employees are enthusiastic and recommend the RIDA®CUBE SCAN with conviction.

State of the art technologies

RIDA®CUBE SCAN – is a unique combination of innovative technologies

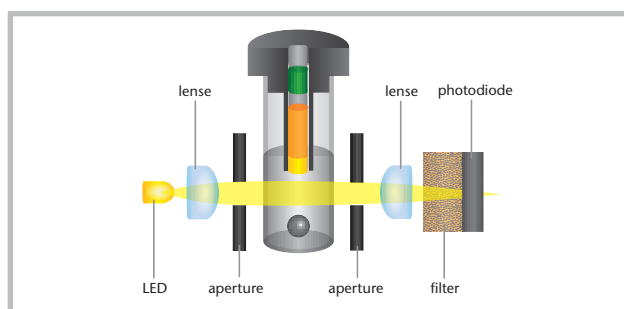
Single test cartridges

The single test cartridges contain liquid and stable reagents as well as a steel mixing ball. All you have to do is pipette your sample into the single test cartridge and all further steps are performed automatically by the analyzer. Due to this unique design, there is only one moving arm that pushes reagent 2 into the cartridge (cuvette) and starts the chemical reaction. This makes the system completely maintenance-free and extremely robust.



Measurement by means of LED and photodiode

The photometric measurement is performed with an LED and a photodiode (lifetime of more than 10 years, no maintenance required). Each instrument has two filters, thus the measurement is possible at two different wavelengths. With this equipment parameters can be determined with two different chromogens.



Android tablet

The system is controlled by an android tablet with a simple and intuitive app. The software provides all system-related functions of each test, such as sample identification or result management. The software is updated automatically via the internet - without technicians and additional costs. If required, the tablet data can be sent to the service center for remote support.

RFID card

The RFID (radio-frequency identification) card represents one of the key technologies of the RIDA®CUBE SCAN instrument. Each test kit contains an RFID card with specific information such as test name, lot number and expiration date. It also contains a special tablet app for the test with all steps performed by the analyzer and the lot specific calibration curve, therefore no calibration in the lab is required.

Test kit content and test procedure

Each test kit contains 32 ready-to-use individual test cartridges and an RFID card. All test-specific data is stored on this RFID card. Therefore, no input of instrument or test settings is required. The results

are automatically calculated and shown on the display. They can be exported to a computer or Laboratory Information Management System (LIMS).

The test procedure is simple, fast and provides accurate results:

- 1 Insert the RFID card



- 2 Enter the sample data in the tablet app



- 3 Pipette the sample into the test tube



- 4 Insert the test tube into the device



RIDA®CUBE SCAN product line

The RIDA®CUBE SCAN is offered in two different versions. They differ in the combination of wavelengths: 340 nm in combination with 546 nm and 580 nm, respectively. The combination of different instruments allows an increase in sample throughput as well as the coverage of all wavelengths of the test kit portfolio. The analyzer set consists of the instrument and a tablet.

Hardware

| Hardware name | Art. No. |
|-------------------------------------|----------|
| RIDA®CUBE SCAN 340/546 Analyser set | ZRCS0546 |
| RIDA®CUBE SCAN 340/580 Analyser set | ZRCS0580 |
| RIDA®CUBE SCAN Tablet PC | ZRCT0500 |
| RIDA®CUBE SCAN Tablet PC Lock | ZRCL0440 |

RIDA CUBE SCAN specifications:

- Weight: 2.4 kg
- Dimensions: 16 x 13 x 14.5 cm
- CE compliant

Parameters of the RIDA®CUBE product line

| Product | Art. No. |
|---------------------------------------|----------|
| Lactose/D-Galactose* | RCS4110 |
| D-Galactose | RCS4120 |
| Lactose/D-Glucose* | RCS4130 |
| D-Glucose | RCS4140 |
| D-Glucose/D-Fructose* | RCS4160 |
| Sucrose/D-Glucose* | RCS4180 |
| Sucrose/D-Glucose/D-Fructose* | RCS4190 |
| Acetic acid | RCS4226 |
| D-/L-Lactic acid* | RCS4240 |
| L-Lactic acid | RCS4260 |
| L-Malic acid | RCS4280 |
| Ethanol | RCS4340 |
| Ammonia | RCS4390 |
| SO ₂ -Total (Total Sulfit) | RCS4600 |
| SO ₂ -Free (Free Sulfit) | RCS4610 |
| α-Amino Nitrogen | RCS4630 |

* Without differentiation