

RIDA® CUBE SCAN

The handy analyser for enzymatic single-testing



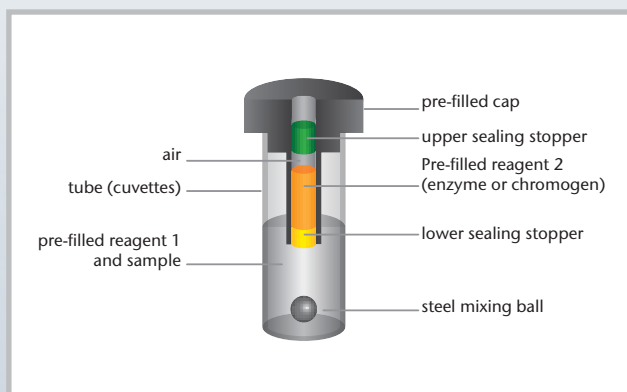
Modern technologies

RIDA®CUBE SCAN is a unique combination of novel technologies.

Single-test cartridges

The single-test cartridges contain liquid and stable reagents, including a mixing steel-ball. Only the sample needs to be pipetted into the cartridge by the operator. All steps are performed automatically by the analyser.

Because of this unique design, there is no pipetting device: only one arm is moving to push reagent 2 from the cap into the tube and start the chemical reaction. Therefore, the system does not need any maintenance and is extremely robust.



Android-based tablet

The system is driven by an Android-based tablet with a simple and intuitive app. The software provides all system-related functions valid for any test, such as sample identification or results handling. It also provides additional content like instructions for use, FAQ's and various background information at the touch of a finger. The software is updated automatically via the internet. There is no need for a technician and no additional expenses. On the other hand, it is possible to send the tablet's data to the service center for remote support.

Measurement via LED and a photodiode

The photometric measurement is performed via a LED and a photodiode, which will last for more than one decade without any maintenance. Two different filters are available on each instrument, allowing two different chromogens to be measured.



RFID card

The RFID card (Radio-frequency identification) is one of the key technologies used in the RIDA®CUBE SCAN instrument. One RFID card is included in each reagent kit, and contains specific information like name of the test, lot number and expiry date. It also contains a specific application for the test, with all steps that will be performed by the analyser. Finally it includes the calibration curve valid for the lot, so no calibration is needed in the laboratory.

Single testing anytime, anywhere


The RIDA®CUBE SCAN is a walk-away system that allows consecutive single-testing, in production facilities or in small laboratories.

Each test kit contains 32 single test cartridges and one RFID card. All data specific for the test are stored on this RFID card, so there is no need to


enter any instrument settings or test application settings. Results are calculated automatically and displayed on the screen. They can be exported to a personal computer or to a Laboratory Information Management System (LIMS).

The testing procedure is fast and generates precise results in just four simple steps:

- 1





Place RFID card
- 2




Enter sample data into tablet app:


 - identification
 - volume (20 or 100 µL)
- 3





Pipette the sample into the tube
- 4





Close the tube with the cap and insert the cartridge into the instrument

Instrument

Two analysers are available with different combinations of wavelengths: 340 nm is always in place, in combination with a second wavelength respectively at 546 or 580 nm. The combination of different instruments allows to increase the

throughput and to cover all wavelengths for the future test-kit portfolio.

The Analyser set includes the instrument and the tablet PC. The tablet PC is also available separately if broken or lost.

Hardware	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

The photometric measurement covers all enzymatic and colorimetric assays for the detection of organic acids (i.e. lactic acid), sugars (i.e. glucose) or other food components (i.e. sulfite).

The portfolio includes 14 tests since 2019. It will be extended continuously to more enzymatic tests at 340 nm, plus additional tests at 546 and 580 nm.

RFID technology

- Pre-set calibration curve
- Lot number and expiry
- Number of tests remaining

Maintenance free

- Fully-automated system without pipetting device
- Closed test-cartridges
- Integrated QC test

Tablet PC interface

- Android based app, updates available via Internet
- Bluetooth and USB connection
- Quick data entry with Pictograms
- Feed-back option for trouble shooting
- Data transfer to host printer

Options

- Connection to a PC, HIS or LIM through Bluetooth or USB

Specifications

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

