



RIDA® SMART APP

The smart way to test for mycotoxins



RIDA®SMART APP – mycotoxin analysis in your hand

Unique combination of rapid mycotoxin testing and mobile reading

Next generation of LFD testing

Lateral flow (LFD) tests play an important and increasing role in mycotoxin analysis. They are fast and very simple to use: Prepare your sample, pipette the extract on the strip and read the result after 5 minutes. Dedicated readers for quantitative lateral flow evaluation have been on the market for years. However, wouldn't it be great to get reliable quantitative results by using a smartphone? The innovative R-Biopharm **RIDA®SMART APP** offers you this possibility. The software analyzes the LFD strip by a smartphone-taken picture and quantifies the mycotoxin contamination. Results are automatically stored in the internal database or can be shared immediately.

Full connectivity

The **RIDA®SMART APP** runs on an Android driven dedicated smartphone and supports all available connectivity (i.e. WiFi/Bluetooth/USB). Use these options to send your results via email or save and print them on cloud based storages or print services. The software is updated via the internet (over the air) whenever required. There is no need for a technician and no additional expenses. You are not alone if you should encounter a problem: Connect to your local network and send a direct service request to your local R-Biopharm representative to get remote support.

Quantification and performance

The **RIDA®SMART APP** allows for sensitive and high accurate measurements of quantitative R-Biopharm lateral flow strips. In conjunction with a compatible smartphone and **RIDA®QUICK Mykotoxin RQS** lateral flow tests, the **RIDA®SMART APP** can measure and quantify results below or at EU levels. The software has been extensively validated by analyzing LFD tests performed with naturally contaminated reference material which was compared to HPLC data. This ensures high accuracy and precision of results that are comparable to or even exceed the performance of conventional dedicated readers.

Convenient barcode technology

A key element is the LFD cover contained in every **RIDA®SMART APP**-compatible test kit. It contains a QR code (quick response code) and the **RIDA®SMART APP** color sheet, both necessary for the precise evaluation of results. The QR code encodes basic data like test name and lot number but also links to specific application information of your test lot. Even the valid calibration curve of your specific test kit lot is transferred via barcode. Therefore, no calibration of the instrument is required in the laboratory. Additionally, the **RIDA®SMART APP** color sheet printed on the LFD cover allows you to use the app not only under controlled laboratory conditions but also in non-controlled environments (on-site testing).

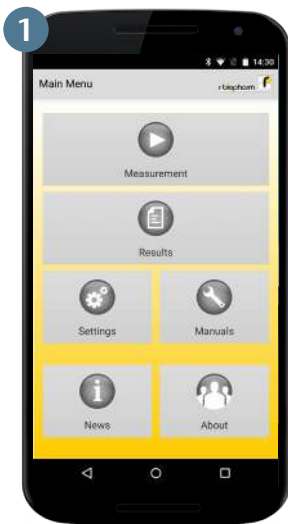


Mycotoxin testing – anytime, anywhere

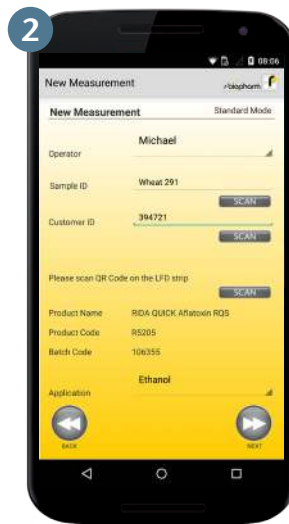
The **RIDA®SMART APP** is designed to be an easy-to-use mobile analyzer for production facilities or small laboratories to perform in-process testing or goods inwards controls. Evaluate every R-Biopharm lateral flow test with its individual **RIDA®SMART APP** cover. All data specific for the test is stored in the QR-Code on the cover, so there is no need to enter any test relevant settings manually. You are using barcode encoded samples and

customer IDs? Even this data can be entered without typing. Just scan your barcodes and the app links the information to your sample (barcode scanner needs to be installed on the smartphone to use this feature). Results are calculated automatically and displayed on the screen. You can directly export them via email, cloud and network printer or review the automatically stored data in the internal database for export at a later date.

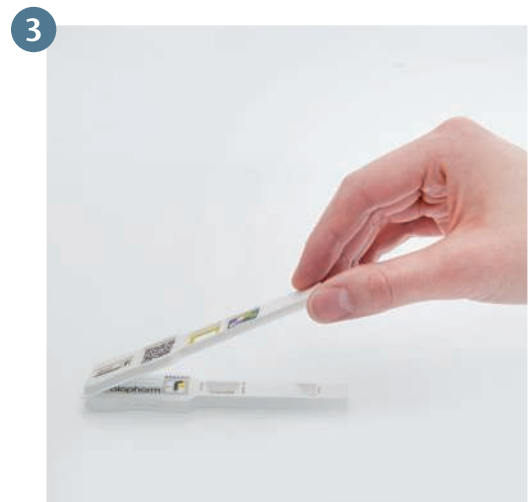
The testing procedure is simple, fast and generates accurate results.



1 Set your information and choose Measurement



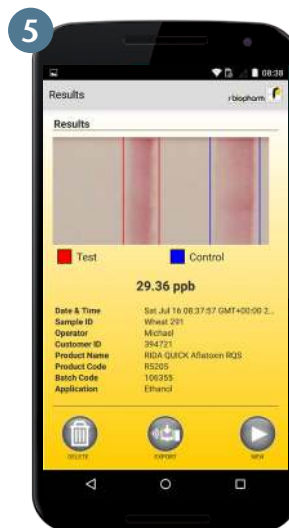
2 Enter sample data via keyboard or barcode scanner and choose your application



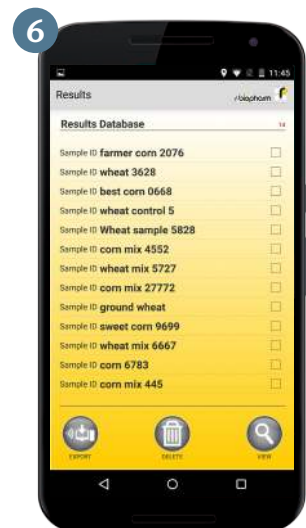
3 Place the cover on top of the strip



4 Hold the smartphone above the strip and take a picture



5 View your results and export them via email or cloud printing



6 Access and view your results from the built-in database

RIDA®SMART APP

The **RIDA®SMART APP** in combination with the smartphone is a fully equipped lateral flow analyzer with high performance and a broad range of interfaces (i.e. WiFi/Bluetooth/USB). Quantitative results are evaluated quickly and accurately.

The software comes with a built-in database for quick and easy access to your results data. The implemented service request function allows instant **RIDA®SMART APP** customer support.

Software	Art. No.
RIDA®SMART APP Mycotoxins	ZRSAM1000

The **RIDA®SMART APP** is available for the evaluation of quantitative R-Biopharm **RIDA®QUICK RQS** mycotoxin lateral flow strips (e.g. **RIDA®QUICK Aflatoxin RQS**). **RIDA®SMART APP** will give

full quantitative results within the individual test specifications. The **RIDA®SMART APP** will combine all necessary test information to cover all requirements for the future test-kit portfolio.

Precise mycotoxin quantification

Dedicated smartphone support

- High CPU power
- Long battery life
- Pocket analyzer

Maintenance free

- Easy access for cleaning
- No mechanical parts
- Software updates

Supported connectivity

- WiFi
- Bluetooth
- Cloud printing
- USB

Supported smartphones

Specifications	Google Nexus 6P	Google Pixel XL
Screen size	5.7-inches	5.5-inches
Screen resolution	WQHD (2560x1440)	WQHD (2560x1440)
Weight	178 grams	168 grams
OS	Launched on Android 6.0	Launched on Android 7.1
Front camera	8 megapixels	8 megapixels
Rear camera	12.3 megapixels	12.3 megapixels
Processor	Qualcomm Snapdragon 810	Qualcomm Snapdragon 821
Memory	3 GB RAM	4 GB RAM
Storage	32GB/64GB/128GB non expandable	32GB/128GB non expandable
Battery	3450 mAh	3450 mAh