

RIDA® SMART APP

Art. No. ZRSAM1000

The RIDA® SMART APP Mycotoxin is a complete new evaluation technology for the quantification of aflatoxin in food and feed.

Aflatoxins are secondary metabolic products of the mould species *Aspergillus flavus*, *parasiticus* and *nomius* and are numbered among the strongest naturally occurring carcinogenic substances. These moulds especially infest grain, corn, dried fruit and nuts, likewise feeding stuff can also be infected. Aflatoxin B1, almost always existing together with Aflatoxin B2, G1 and G2, is the aflatoxin of paramount toxic importance. EU maximum residue levels apply for Aflatoxin B1 of 2ppb and for total aflatoxin of 4 ppb.

For the detection of aflatoxin, among others, immunochromatographic analyses with Lateral Flow dipsticks (LFDs) are applied, whose results are quantitated with LFD reading devices. Concerning the quantitation of aflatoxin concentrations, the RIDA® SMART APP represents a more inexpensive, easier and faster alternative to conventional LFD reading devices. Results of the dipsticks can be quantitated within a concentration range of 4 - 100 ppb via smartphone at such discretionary place. Subsequently the findings can be directly transmitted to an optional e-mail address or printer.

Specifications

Format:

- **Software:** App for smartphone
- **Hardware:** Smartphone Nexus 6 v by producer Google (can be purchased of any supplier or R-Biopharm)

Size Smartphone: 15.9 x 8.3 x 1 cm

Weight Smartphone: 0.184 kg

Concentration range: 4 - 100 ppb

Compatibility:

At this juncture, the RIDA® SMART APP is enabled to be installed and used exclusively on the Android based smartphone Nexus 6 of Google.

Data export:

Export of test results to an optional e-mail address, cloud or printer via WiFi and Bluetooth.

Data retention:

Test results are filed inside the RIDA® SMART APP and can be accessed again at any given moment.

Memory capacity: 32 GB

Specific for the test systems: RIDA® QUICK Aflatoxin RQS (Art. No. R5205)