User's manual - iOS

Date : 02/03/2018
Version : 3.0

SMARTSTRIPS App

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USER'S MANUAL

SmartStrips™ App is an innovative concept that makes the accuracy of laboratory immuno-enzymatic assays (ELISA) available to veterinary practitioners for use in the clinic or on the farm.

SmartStrips™, developed by BIO-X DIAGNOSTICS, introduces a new generation of robust, accurate quick tests (quantitative results possible) that include a data transmission module connected to your computer network or LIMS.

SmartStrips™ App is used with a simple smartphone and requires no special equipment , fastidious handling or laboratory expertise. It is proposed as a means for reading the results of our SmartStrips™ quick diagnostic tests:

■ as an alternative to reading "positive/negative" test results with the naked eye.

■ as a system for reading/interpreting all tests that require semi-quantitative or quantitative results.

* : Currently available on iPhone and iPod Touch devices with IOS 10 and higher.

SMARSTSTRIPS™ App works like a sequential toolbox with the following functions:

■ to recognise the test parameter via the QR code printed on the device;

■ to read the test (automatic visual capture);

■ to interpret the results, which may be of various types (positive/negative, positive/dubious/negative, semi-quantitative (value intervals), or quantitative, depending on the parameter);

■ to create files (per animal, batch of animals, farm, etc.); and

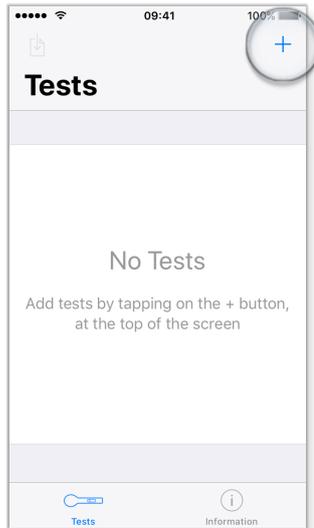■ to export data (test results, date, location , comments, and attachments) to a remote computer or server.
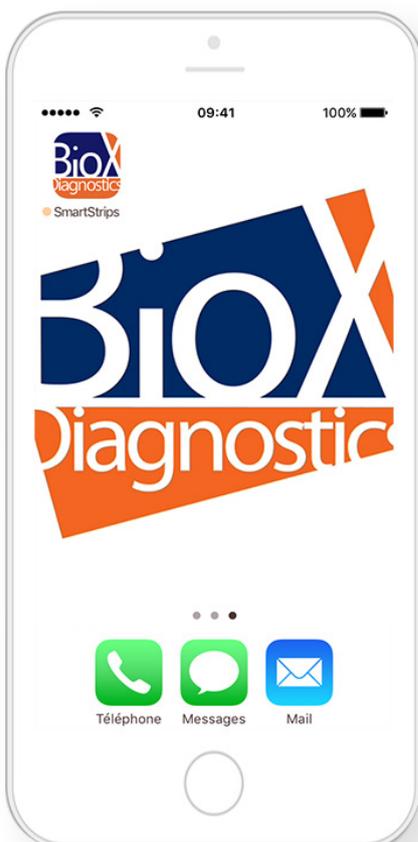
USING SMARTSTRIPS™ App

Adding a test
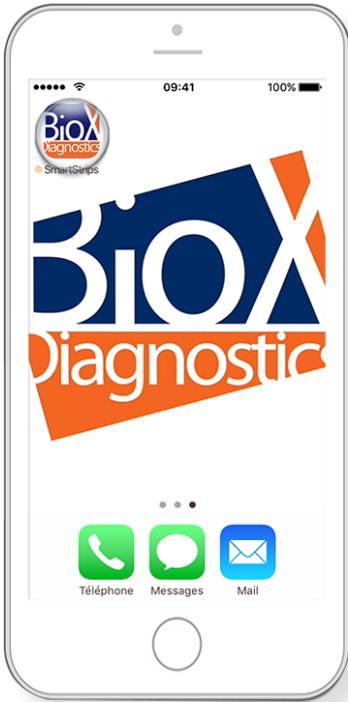
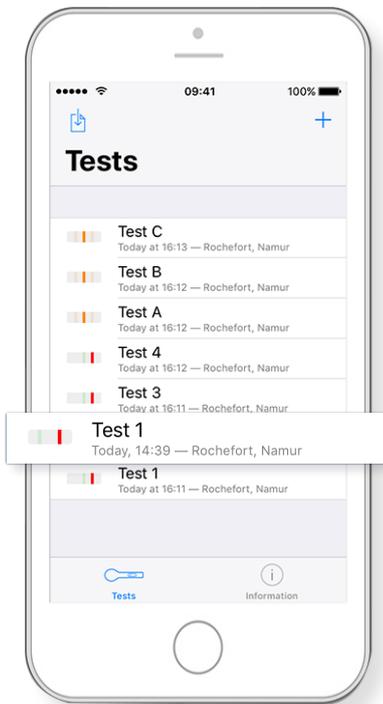■ Launch SmartStrips™ App on your smartphone.

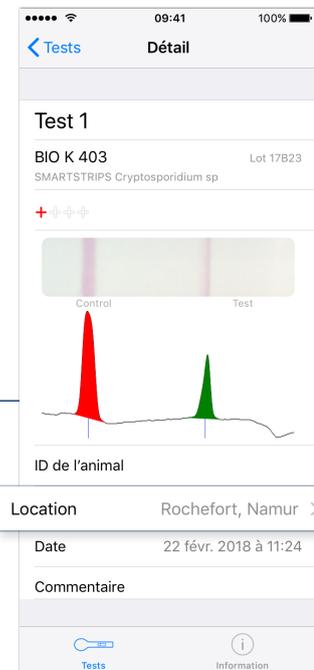■ Add tests by touching the "**+**" button at the top of the screen.

■ The application detects the SmartStrips™ device automatically and captures the test area.
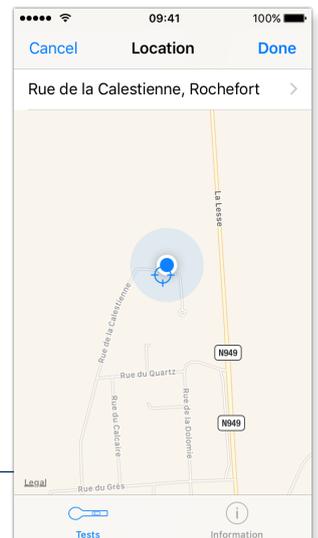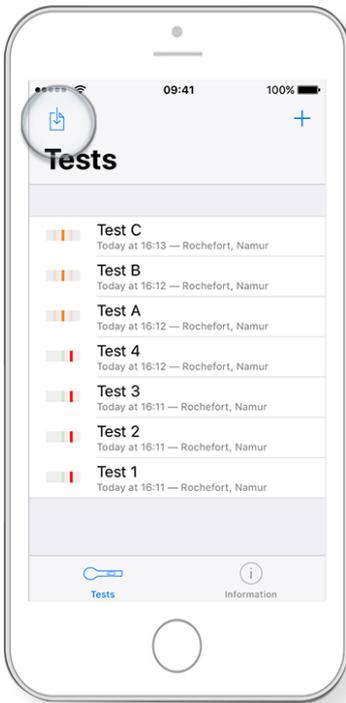
Reading the results

■ Open a test.

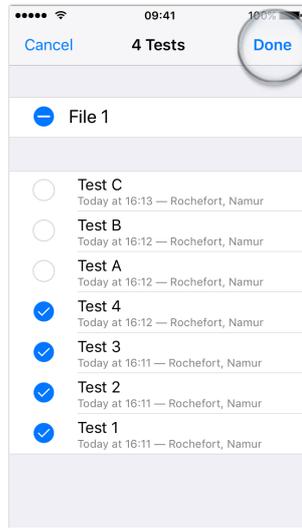■ The **Detail** page gives all the general test information.

■ The **Location** page gives the location of the test.
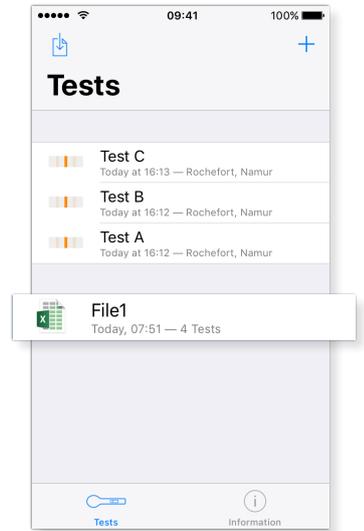
Creating/Exporting a results file

1 Creating a results file

■ Start by creating a file.

■ Select all the tests that you want to include in the new file and rename the file.
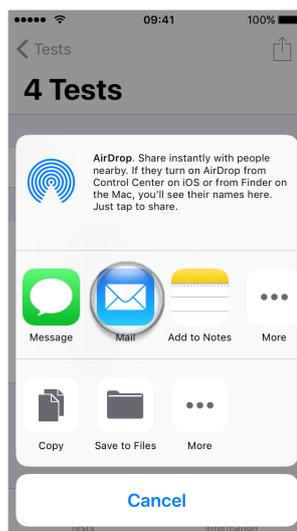

■ Your file has been created.

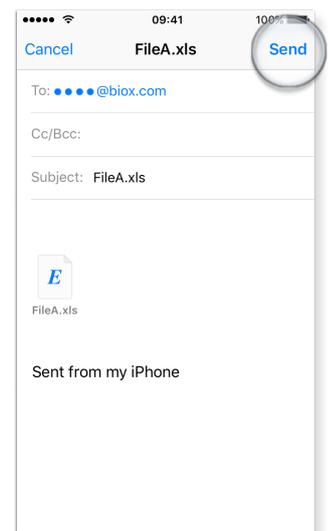## 2 Exporting a results file

■ Open the file.

Touch the export icon in the upper right-hand corner of the screen.
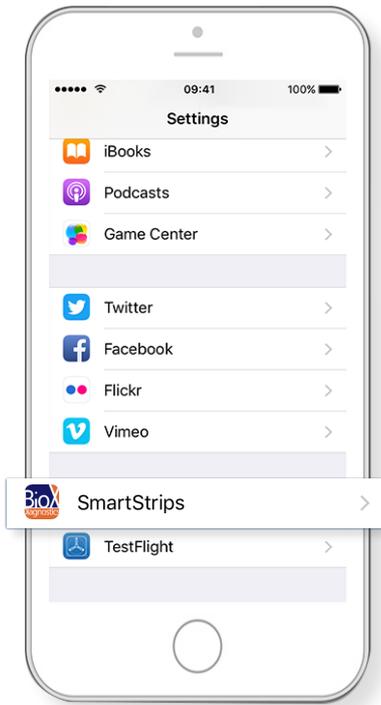

■ Touch the icon for sending e-mail.

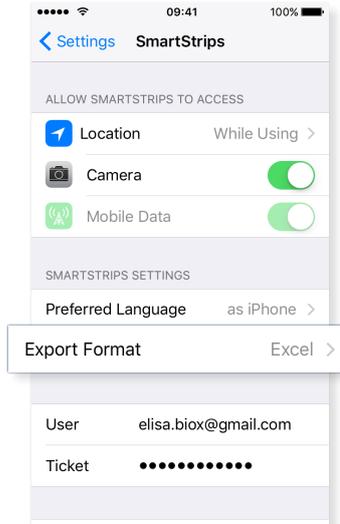■ Enter the recipient's e-mail address and type your message.

Touch "Send" to send your e-mail.

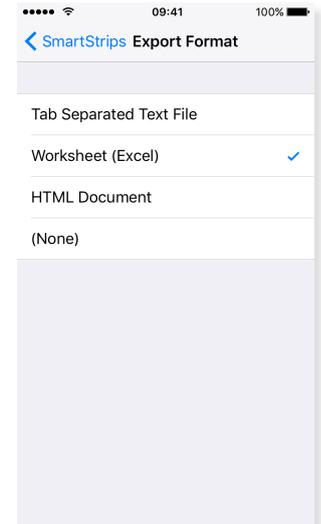Consult your results on a computer.

■ Go to the "**Settings**" option of your **smartphone** and find "SMARTSTRIPS".

SmartStrips^{tm} App proposes three export formats. It is possible to change these formats in the application's settings.

■ Go to "Export Format".

■ SmartStrips^{tm} App proposes three formats:
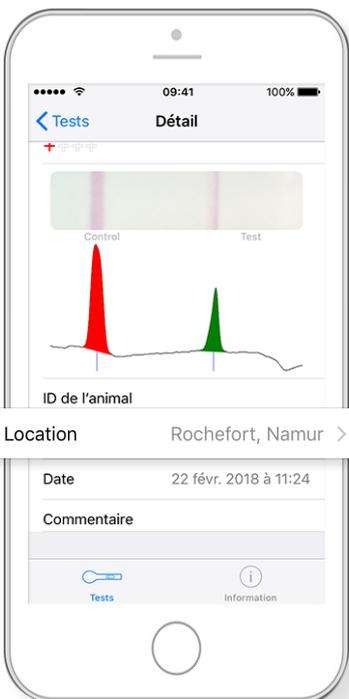
- Text

- Excel

- HTML*

Excel

HTML

*The HTML format lets you export the views of your tests via your web browser

Setting the location of a test
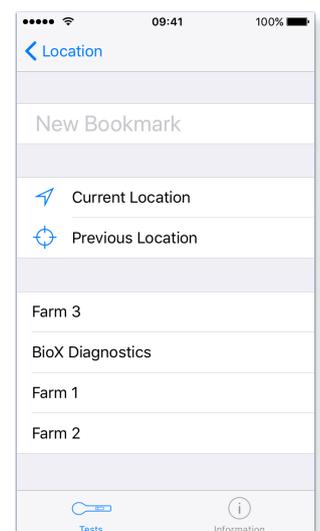

■ Open a test and touch **location**
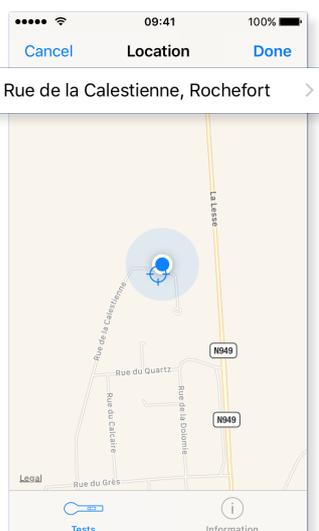
■ SmartStrips^{TM} App detects the location of the test automatically.*

Touch the address to change it.

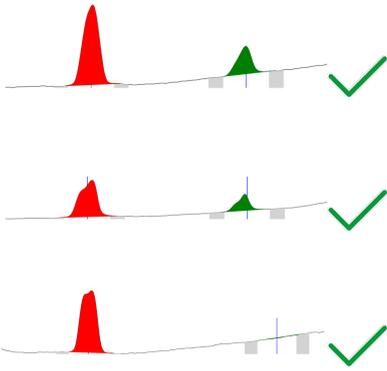*Permission required in the application's settings.

■ Personalise the location by adding a name or by choosing an existing name.

OPTIMAL CONDITIONS OF USE

Validation of Analysis

Valid analysis

 ✓

 ✓

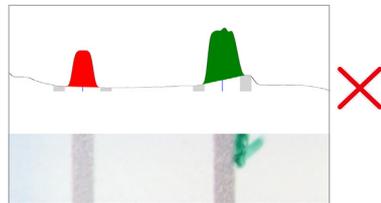 ✓

Invalid analysis

 ✗ — Non-centered test spike with negative surface.

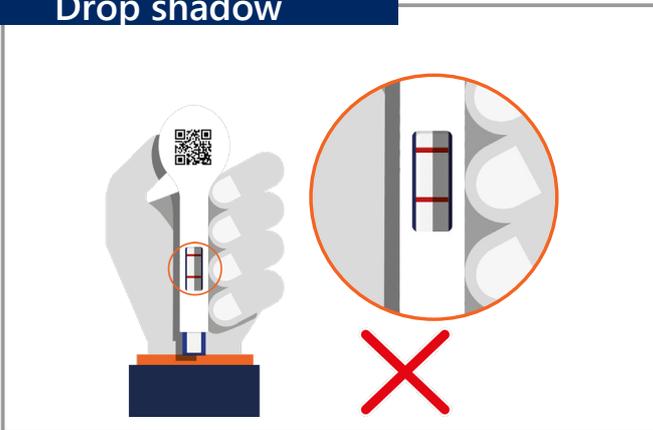 ✗ — Non-centered control spike with negative surface.

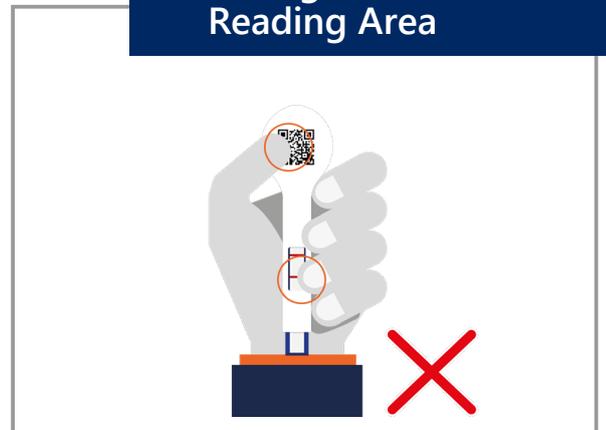 ✗ — Test spike not centered and not interpreted.
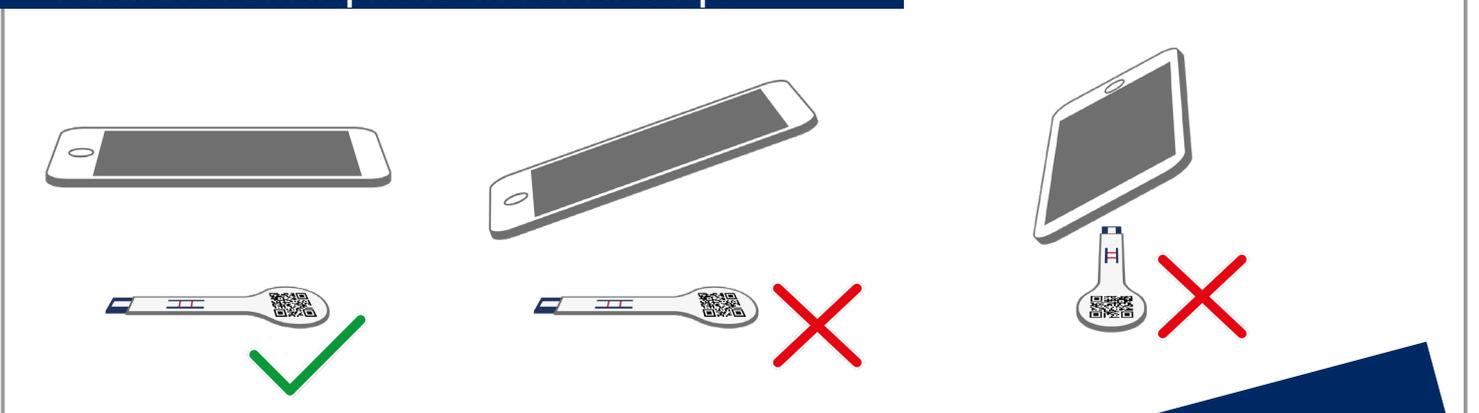
 ✗ — Detection of dirt / stains on strips.

Drop shadow

 ✗

Hiding the QR Code & Reading Area

 ✗

Parallax of Smartphone and SmartStrips

 ✓

 ✗

 ✗