

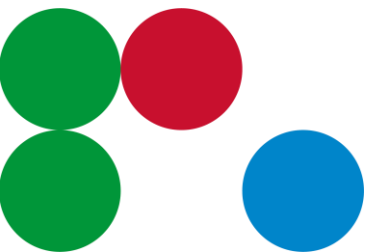


Portable Screening Onboarding

The only portable screening solution enabling real-time integrity decisions across the supply chain



The Instrument



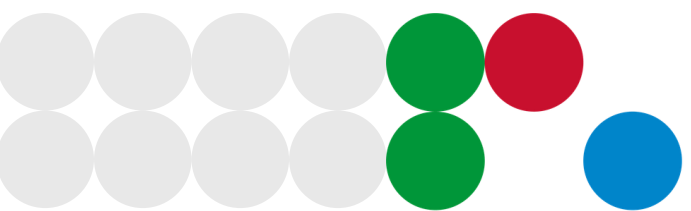
In the box

Best-in-class portable Near-Infrared (NIR) Spectroscope

- Sample holder for 10g to 30g of your product for analysis
- White calibration reference for device accuracy
- Soft bristle brush to remove sample holder debris
- Quick start guide with QR code links
- USB-C charging cable

Not supplied: Isopropanol wipes

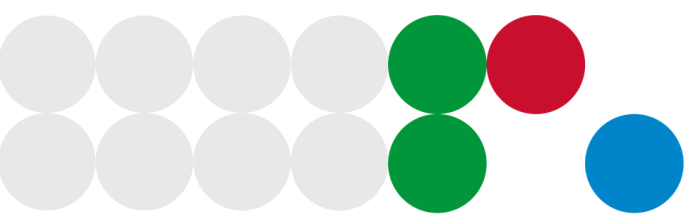




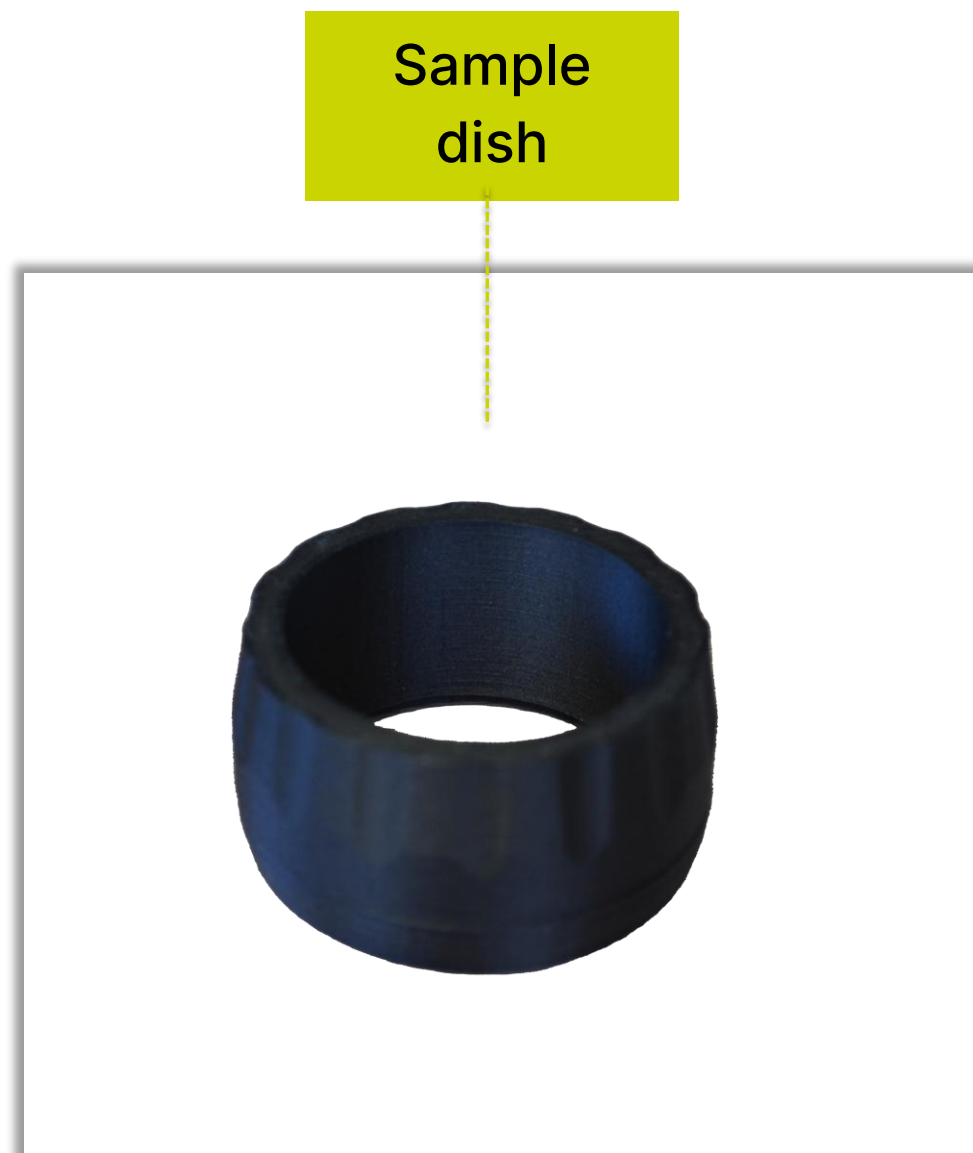
Device Overview

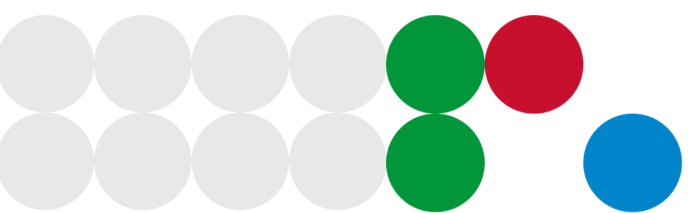


- Highly scratch-resistant sapphire glass
- Replaceable lamp module
- NIR wavelength range: 1.4 μm to 2.5 μm
- LED display
- Single button operation
- 6,000 scans with one charge
- Dust-tight, water-tight and impact resistant
- Weight: 542g



Device Components





Multifunction button-on/off

ON

Hold for 1 second

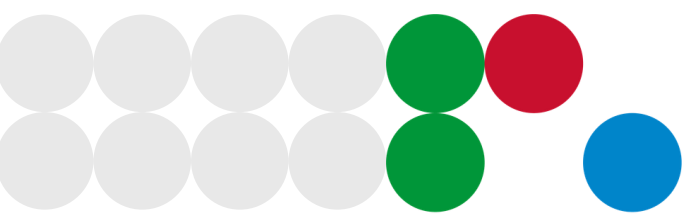
Turn device on

OFF

Hold for 4 seconds

Turn device off





Multifunction button-test

TEST

Press & release

Start a test cycle

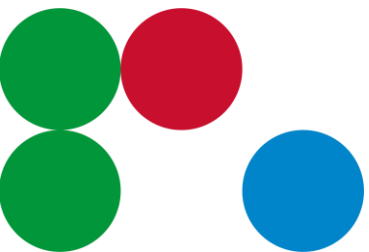
CALIBRATE

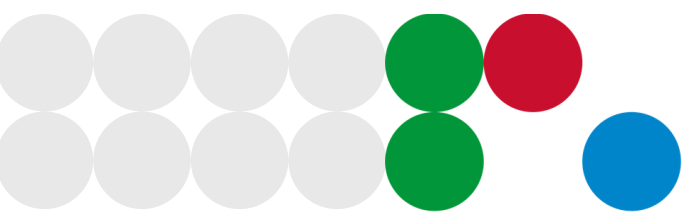
Press & release

Run a calibration



Warning lights





Connection Indicator

Blinking
1x/1 s

Wireless connected

Solid

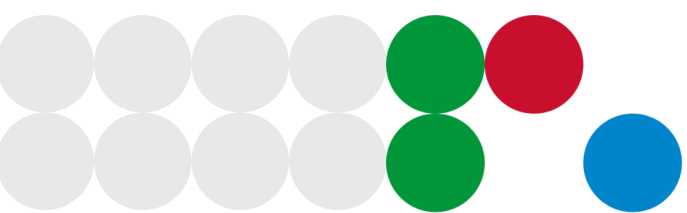
USB connected



Blinking
1x/1 s

Not connected





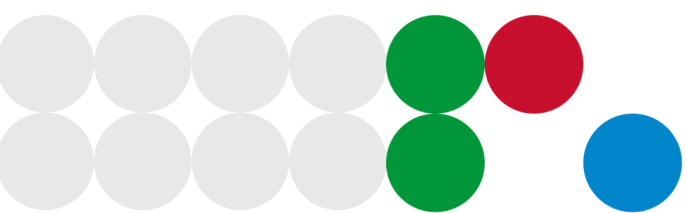
Measurement Indicator

Blinking 4x/1 s	Measurement ongoing
Flashing 3x/1 s	Wait for next measurement
Solid 2 s	Measurement successful



Blinking 1x/1 s	Calibration required
Flashing 2x/1 s	Intermittent error
Blinking 4x/1 s	Measurement not successful
Blinking 4x/1 s	Device defect





Battery Indicator

Flashing
1x/2 s

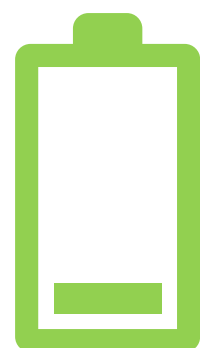
Charging

Solid

Battery level high

Blinking
1x1 s

Battery level <30%



Blinking
3x/1 s

Charge not compatible

Blinking
1x/1 s

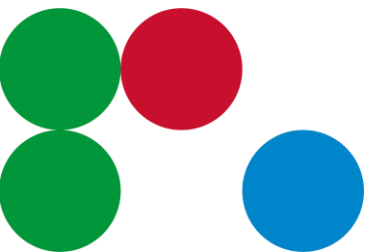
Battery level <10%

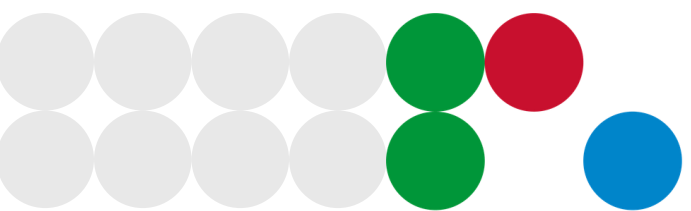
Blinking
1x/1 s

Battery level <4%

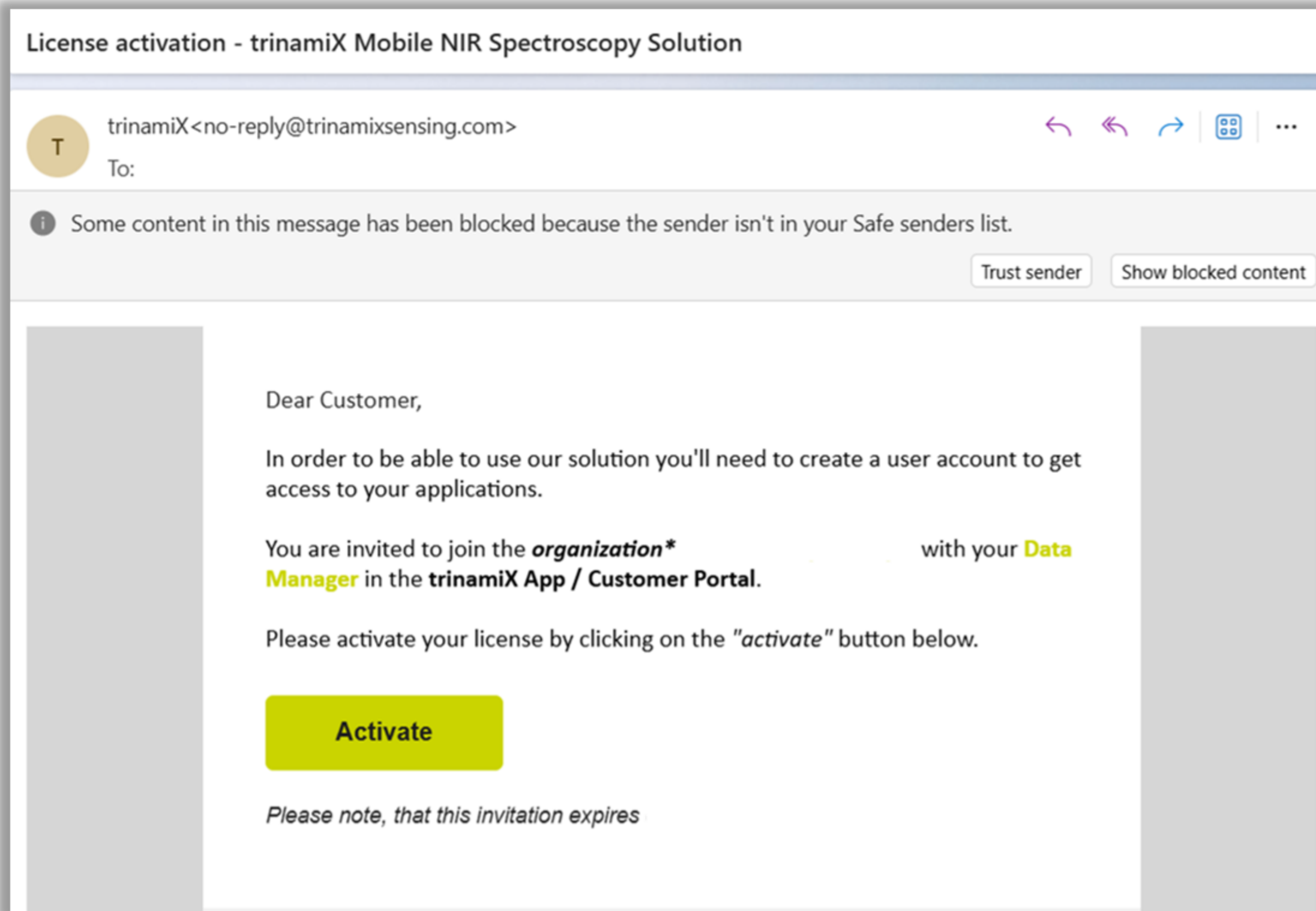


Connecting





User account creation



Choose a suitable email address for use with the device

Share the email with Bia Analytical

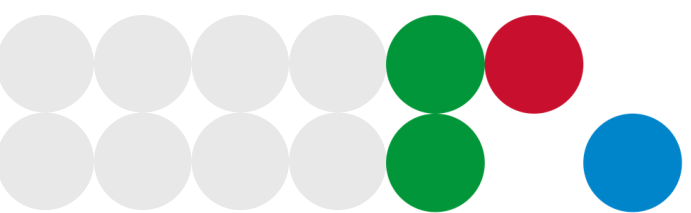
Await receipt of an activation email

Select > Activate and create a user account

App Download

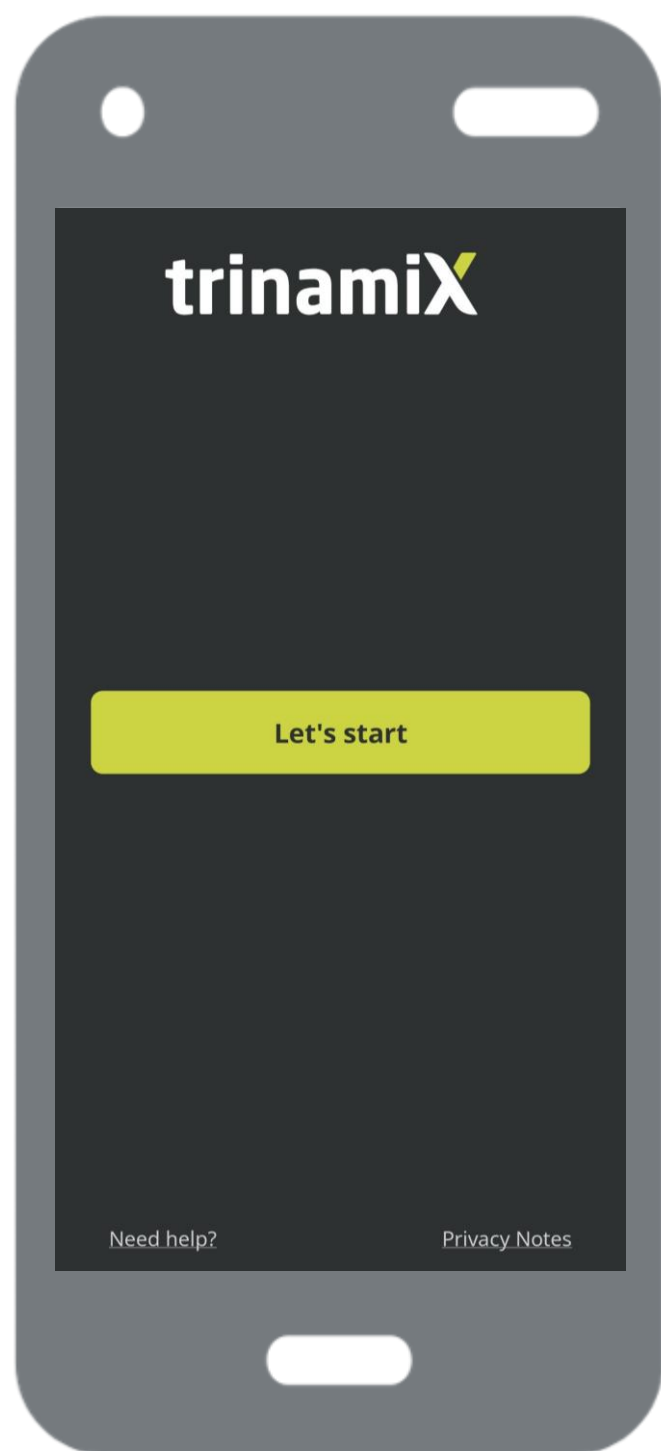
Or search trinamiX Guide



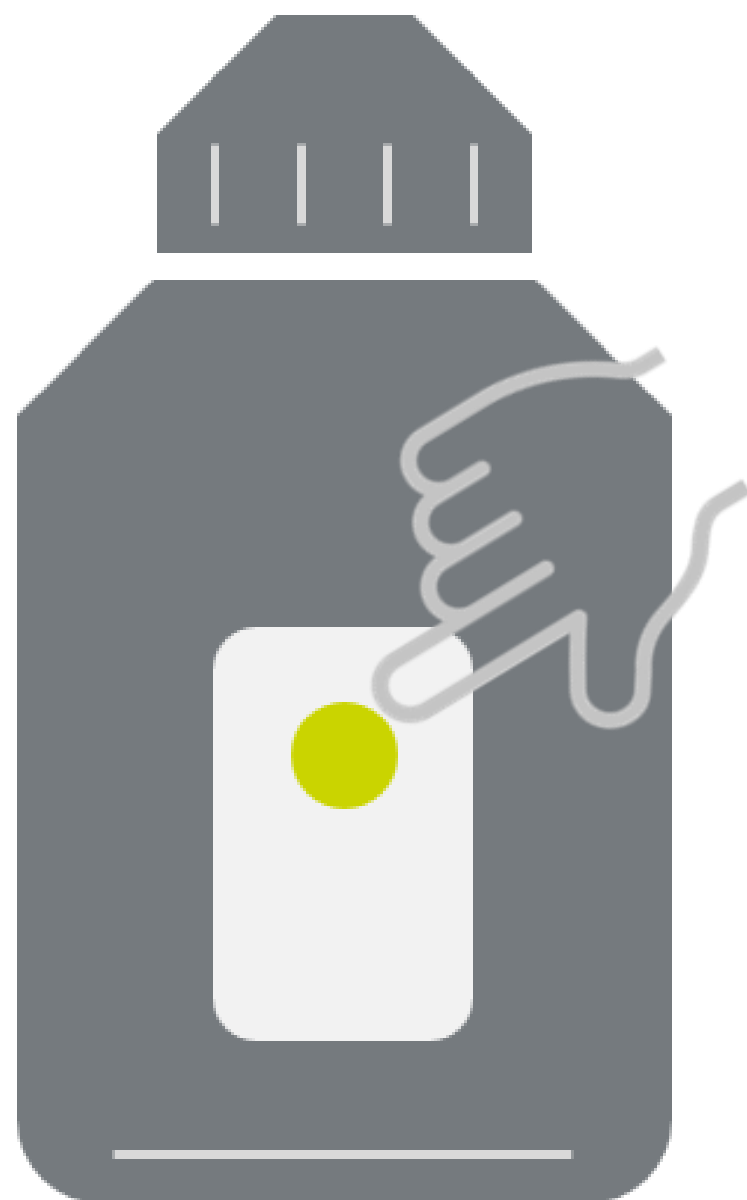


App Connection

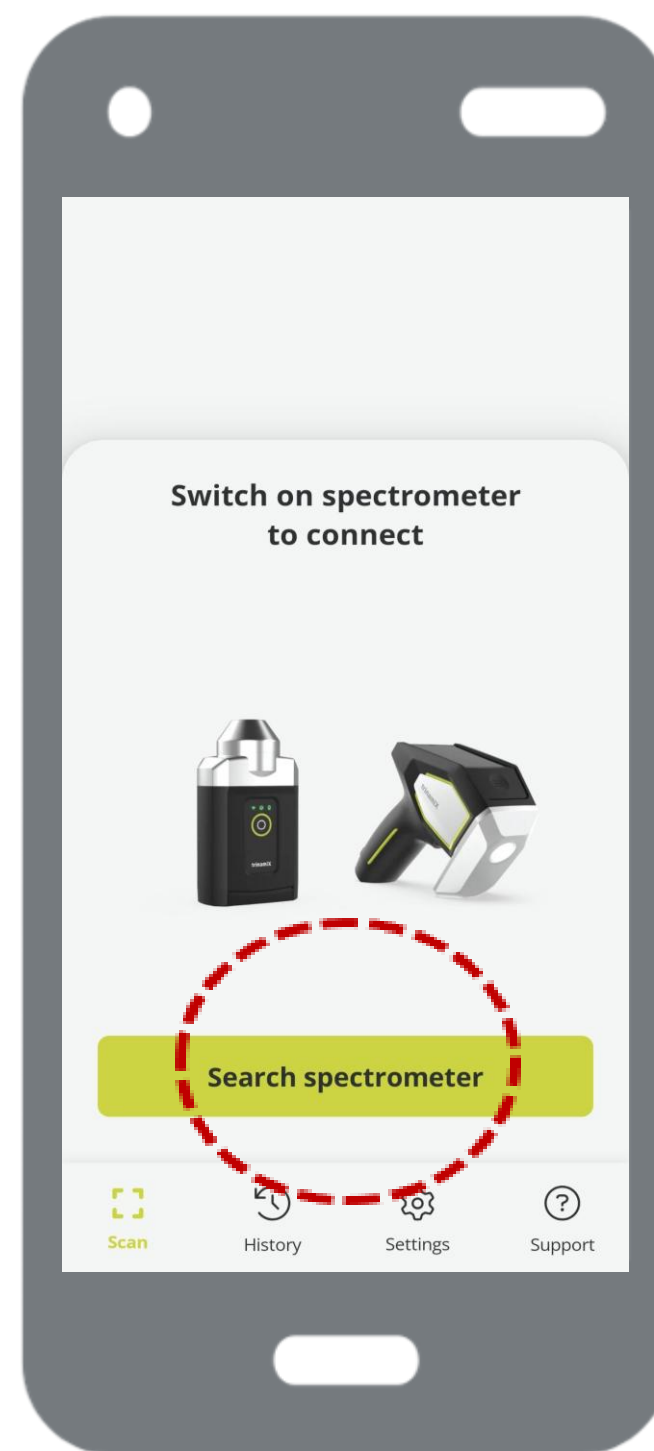
1 Log in to your trinamiX account



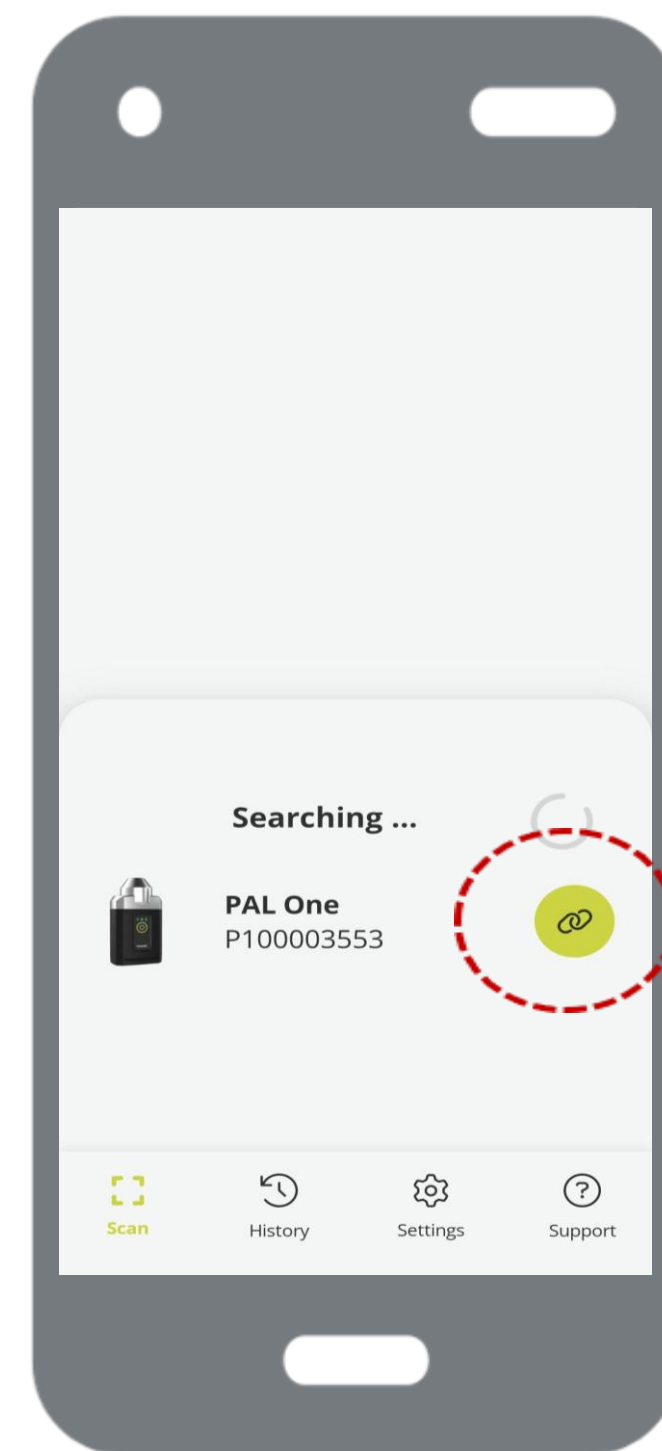
2 Turn on the device using the multifunction button



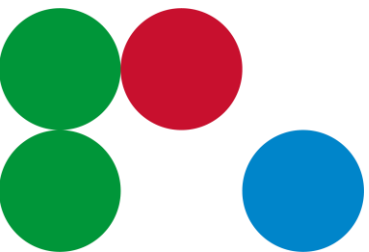
3 Search Spectrometer

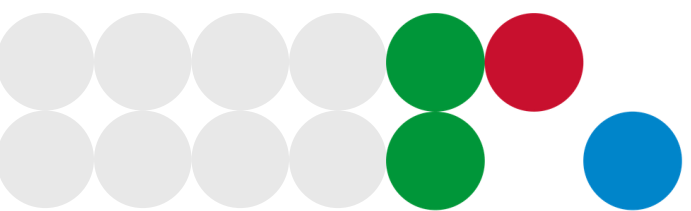


4 Connect to available spectrometer



Calibration



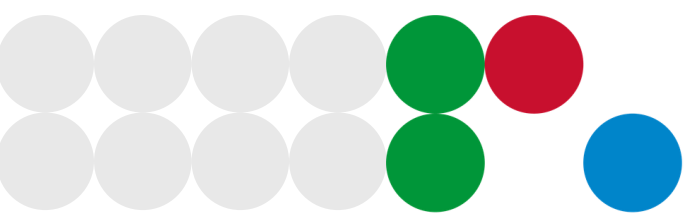


Calibration Facts

- Calibration is required every 60 minutes
- Calibrate prior to starting a series of tests
- A red blinking LED signals calibration
- The app will prompt you when calibration is required

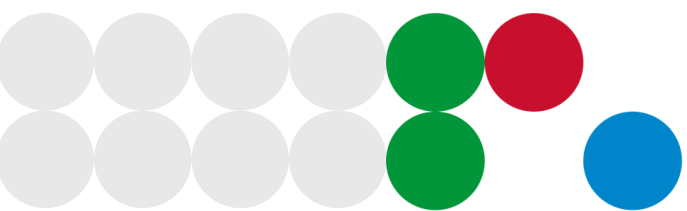


Always ensure the sample interface, sample holder and white reference are free from dust, dirt, scratches, fingerprints or other contaminants to ensure optimal device function.

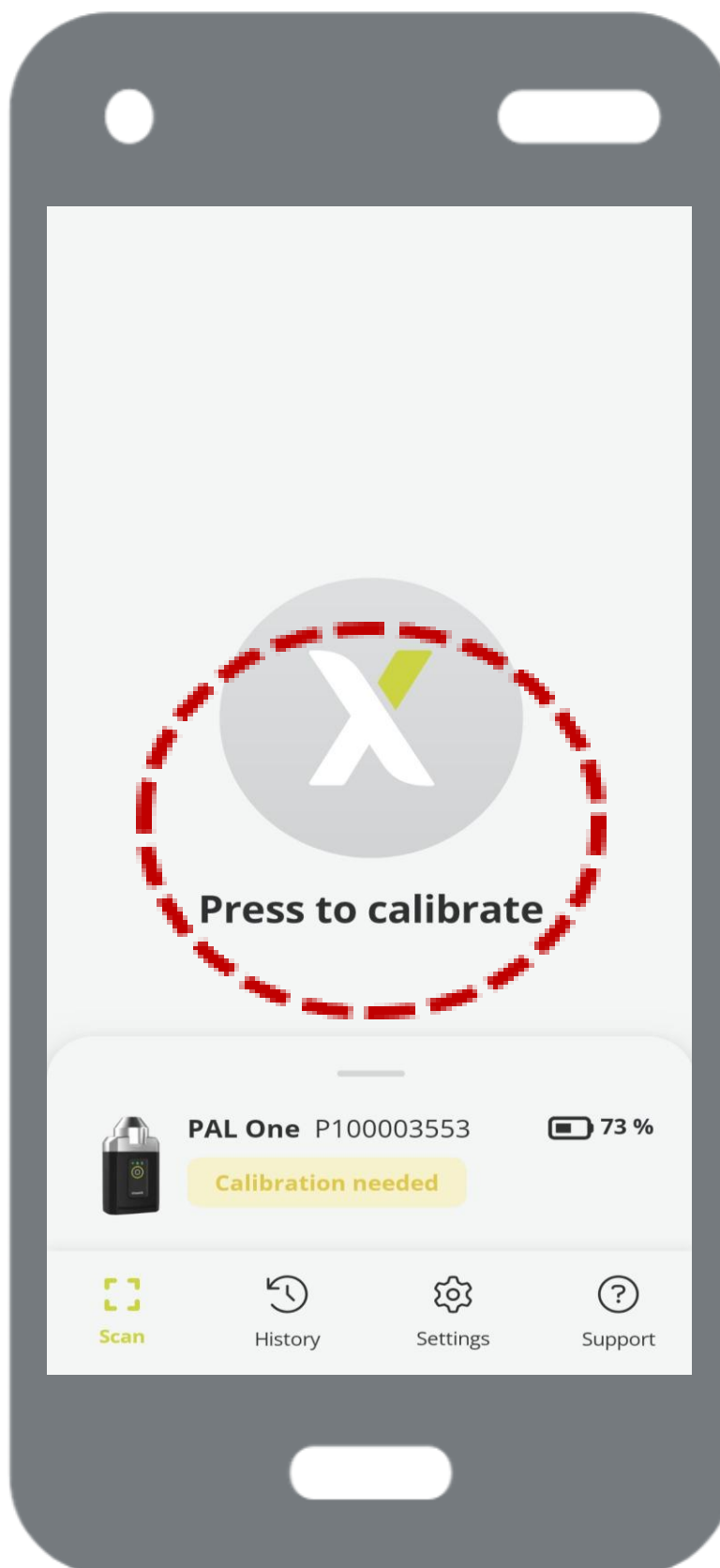


Calibration- white reference

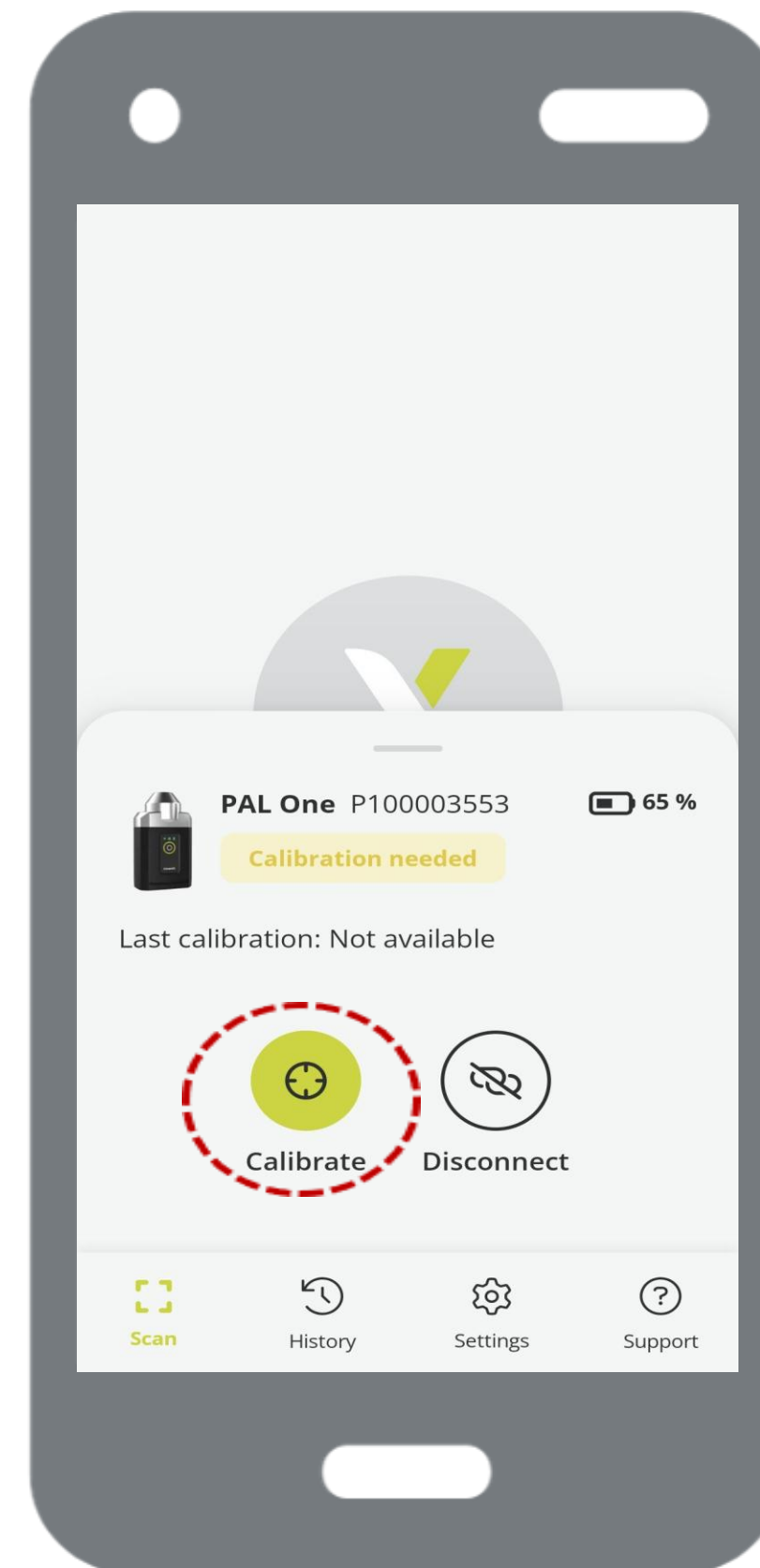


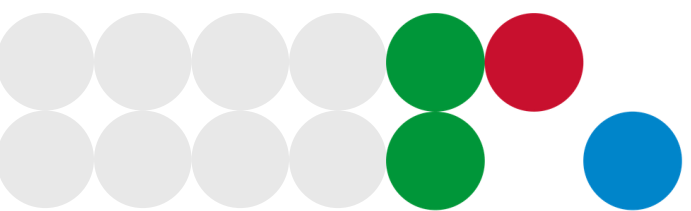


Calibration

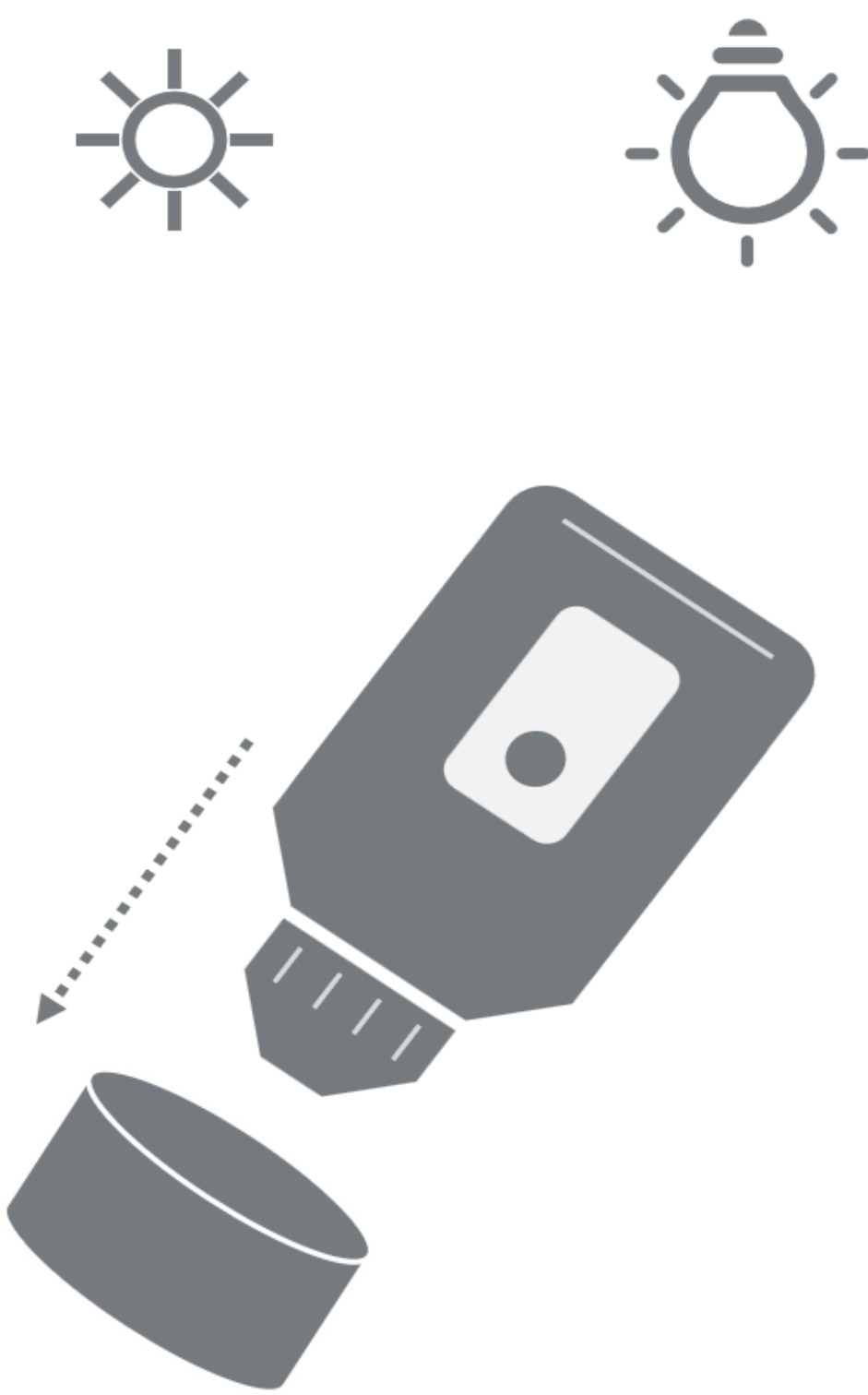
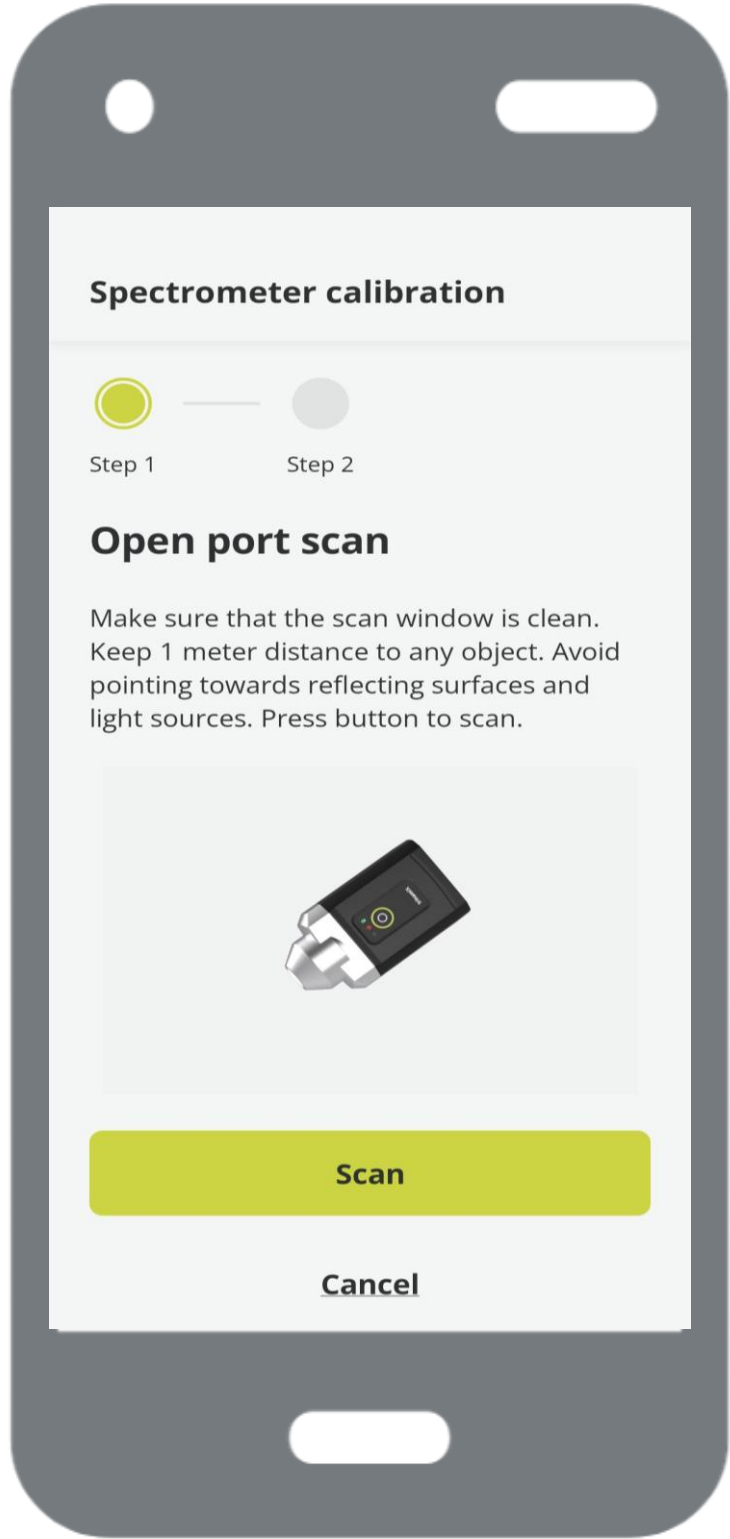


Press either of
these on the app
to initiate
calibration

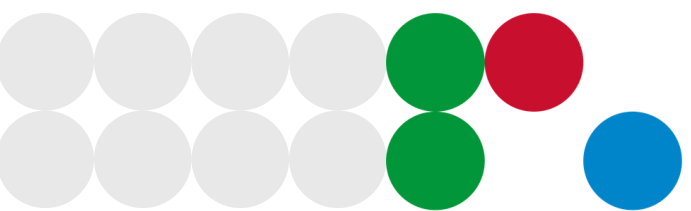




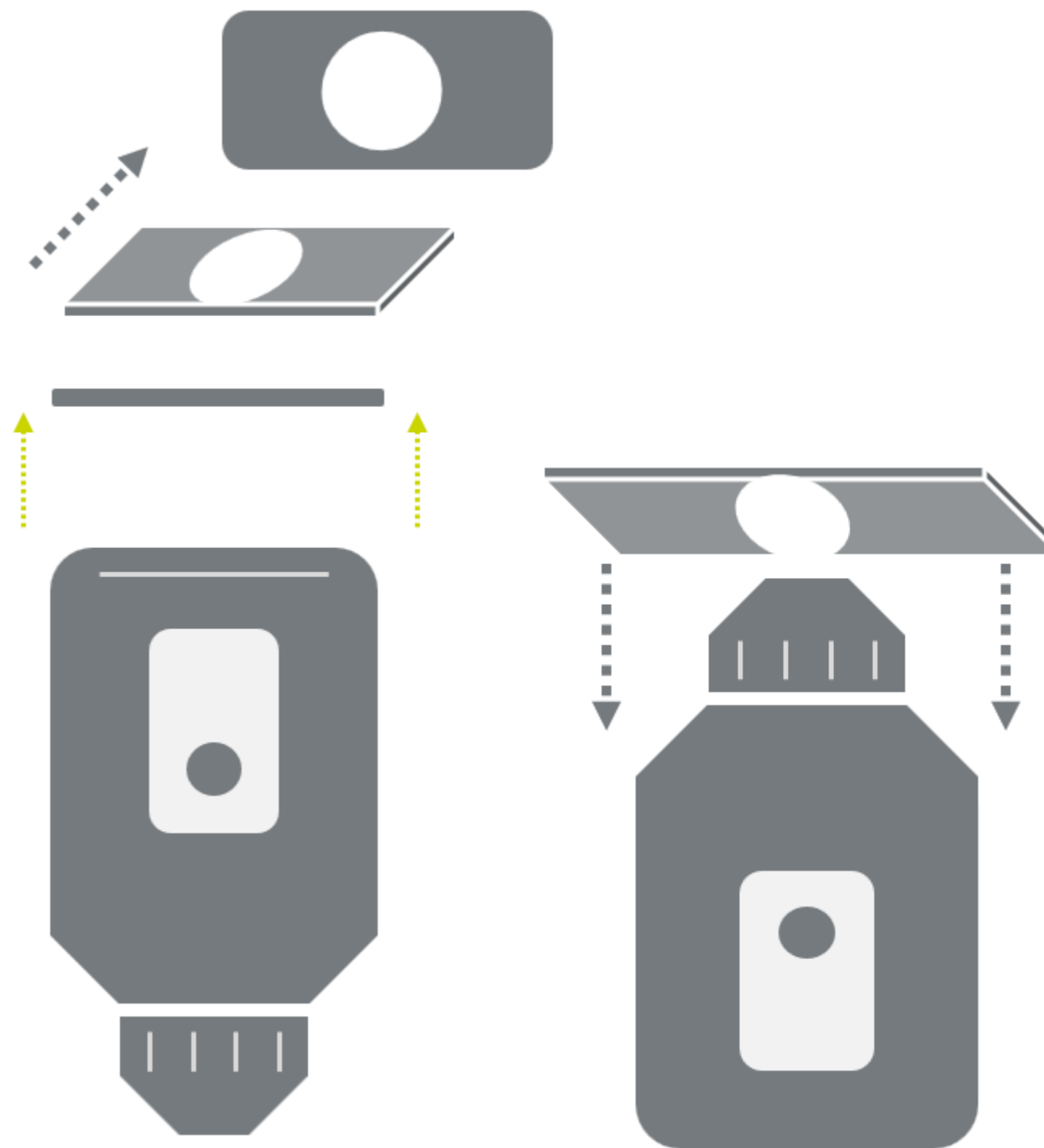
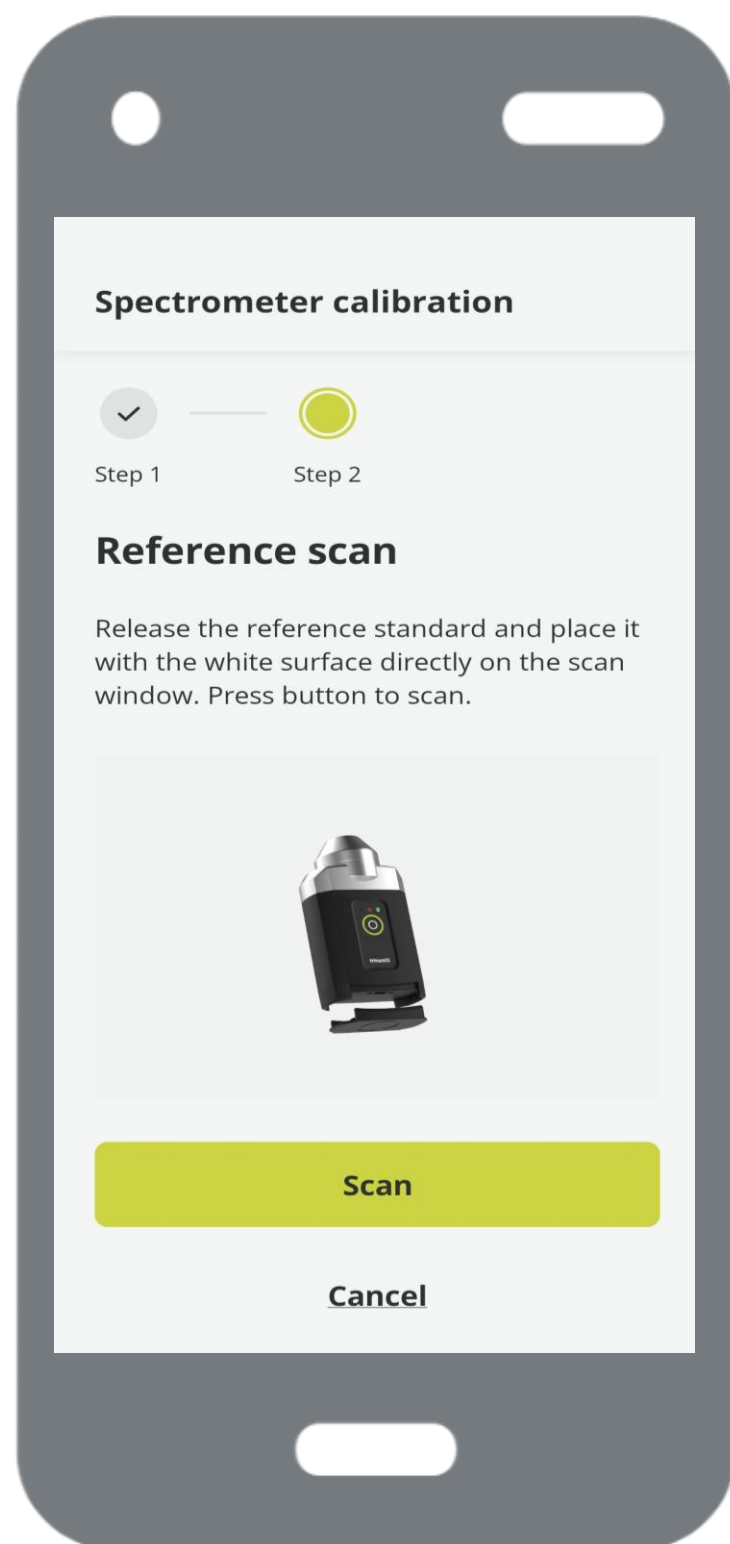
Dark Calibration



- Follow the prompt on screen
- Point the device down to the ground
- Point through the sample holder glass
- Away from natural or artificial light
- Press the green button

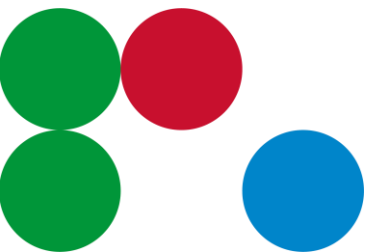


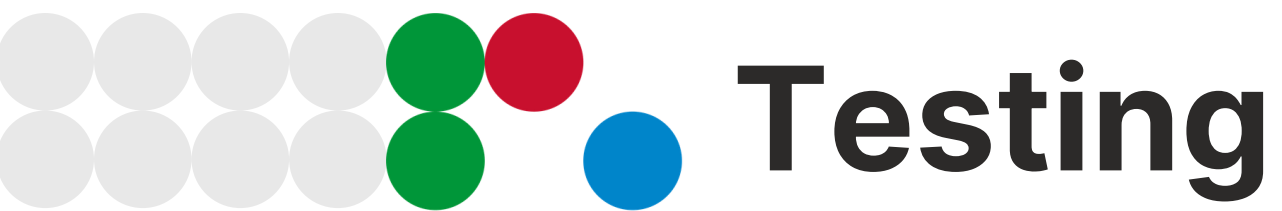
White Calibration



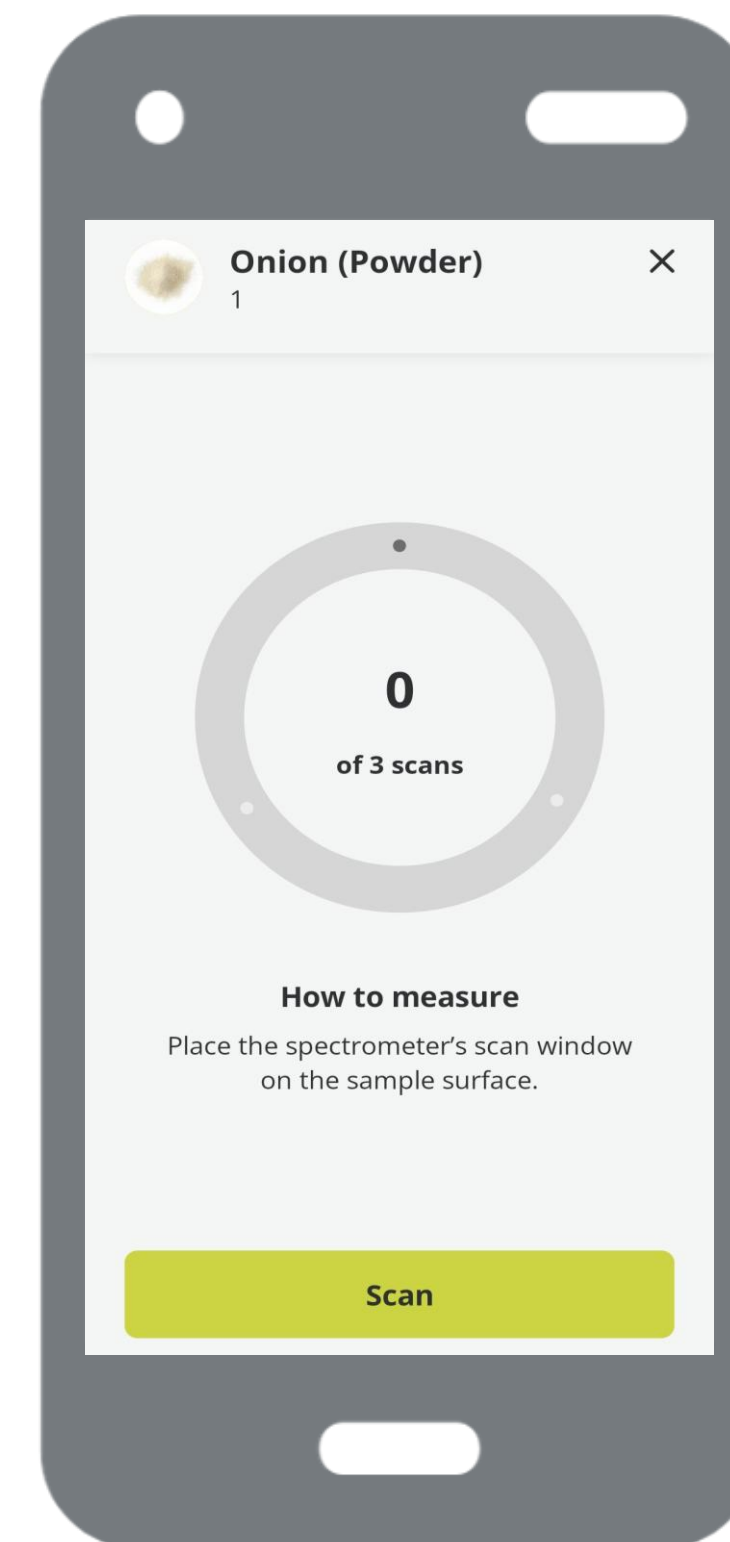
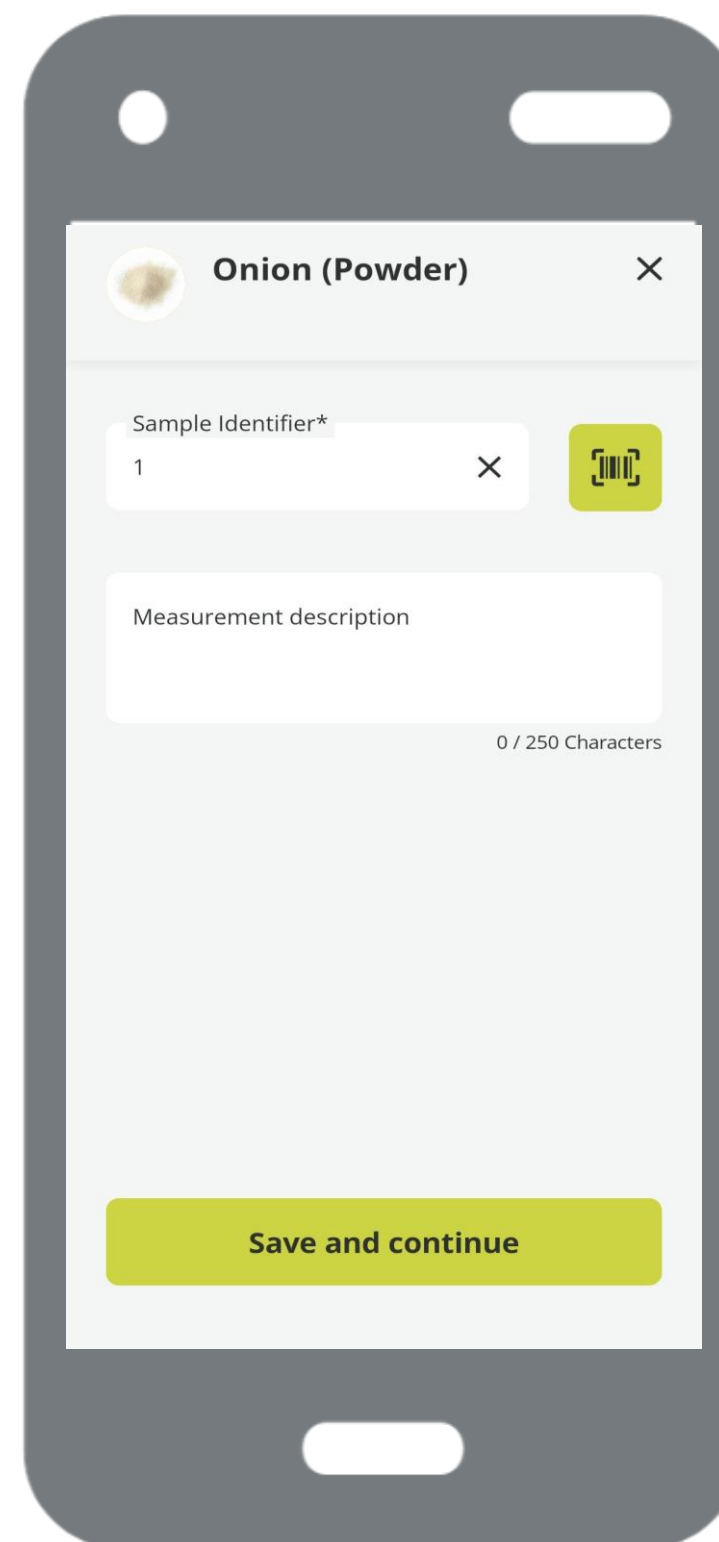
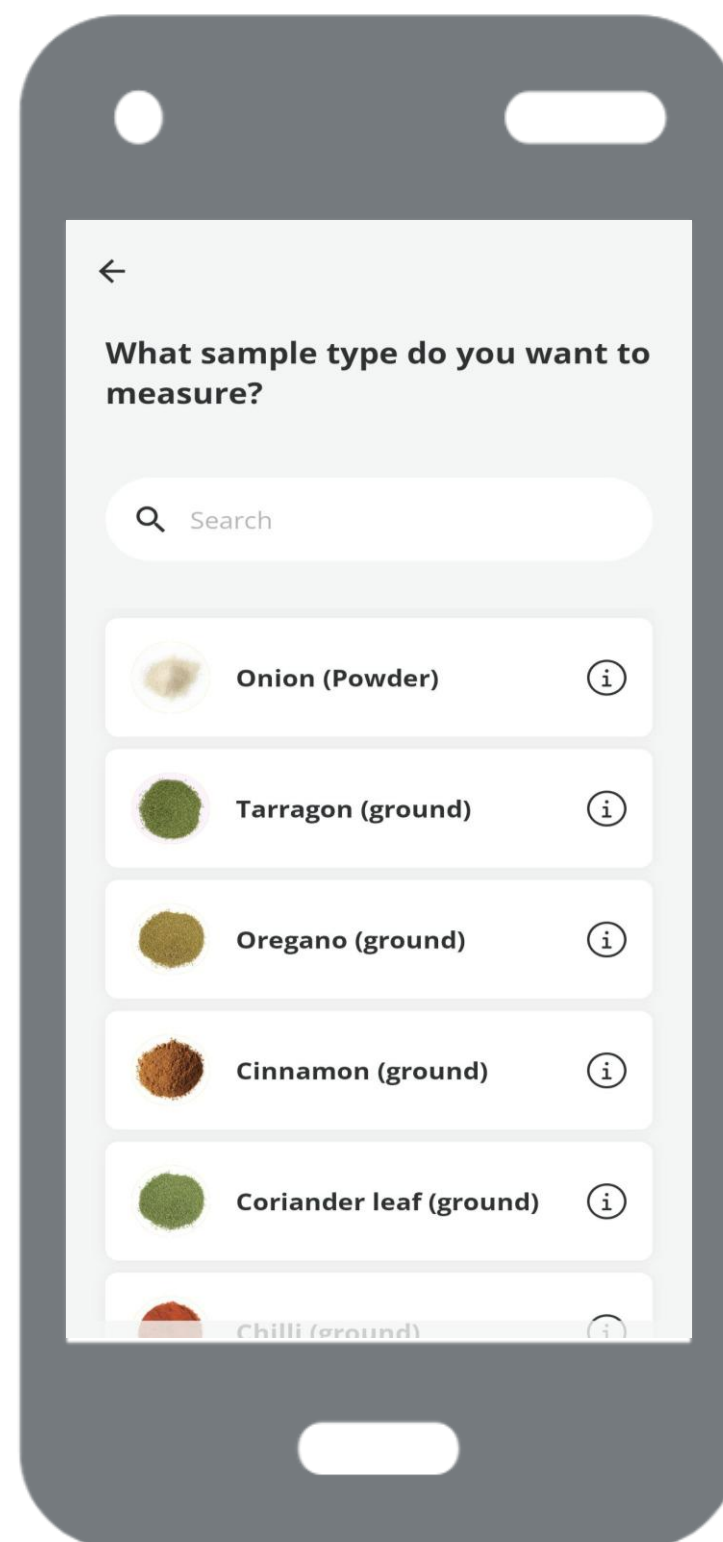
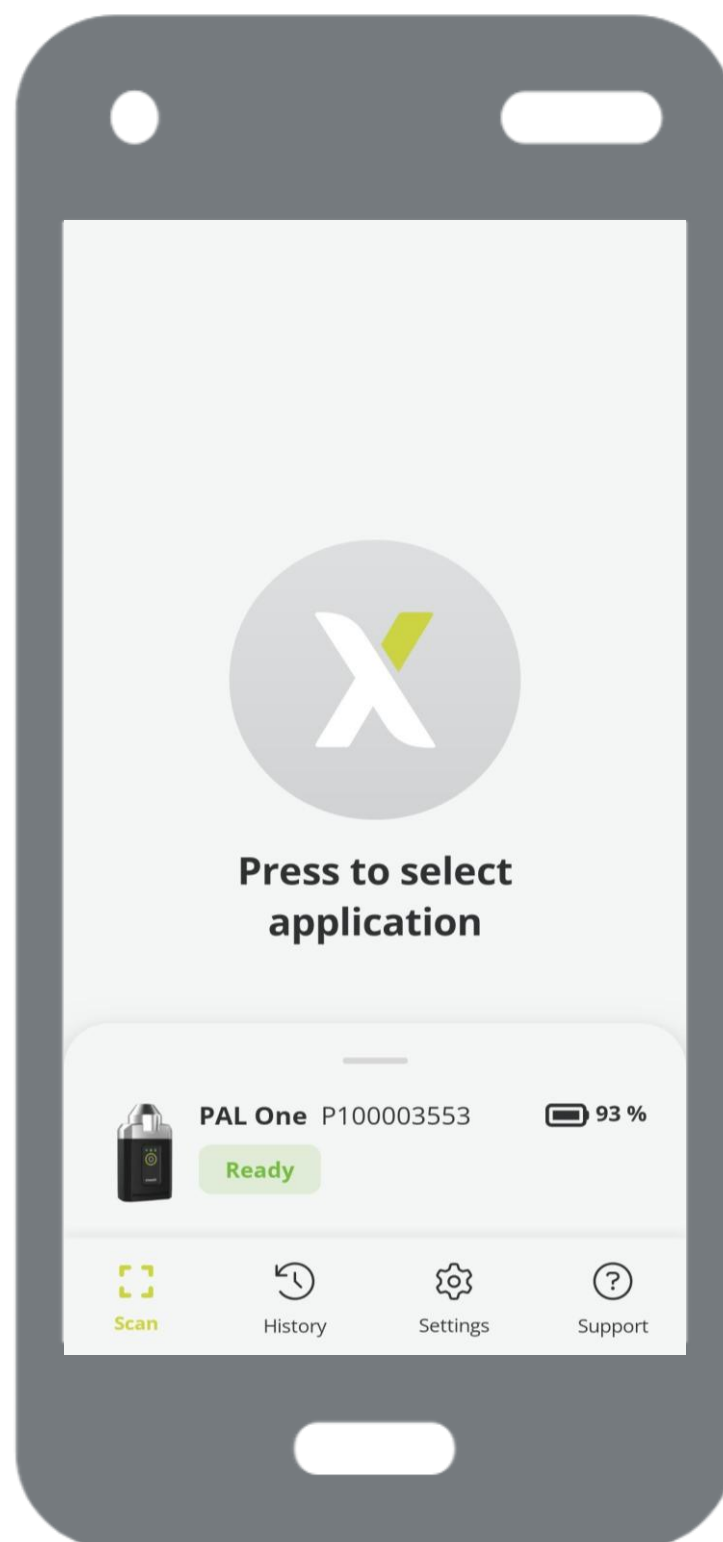
- Follow the prompt on screen
- Remove the end cap from the device
- Sit the end cap on top of the light source
- With the white circle against the light
- Press the green button

Testing

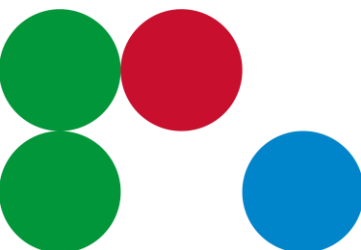


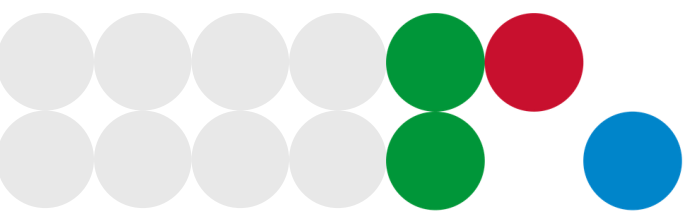


Testing

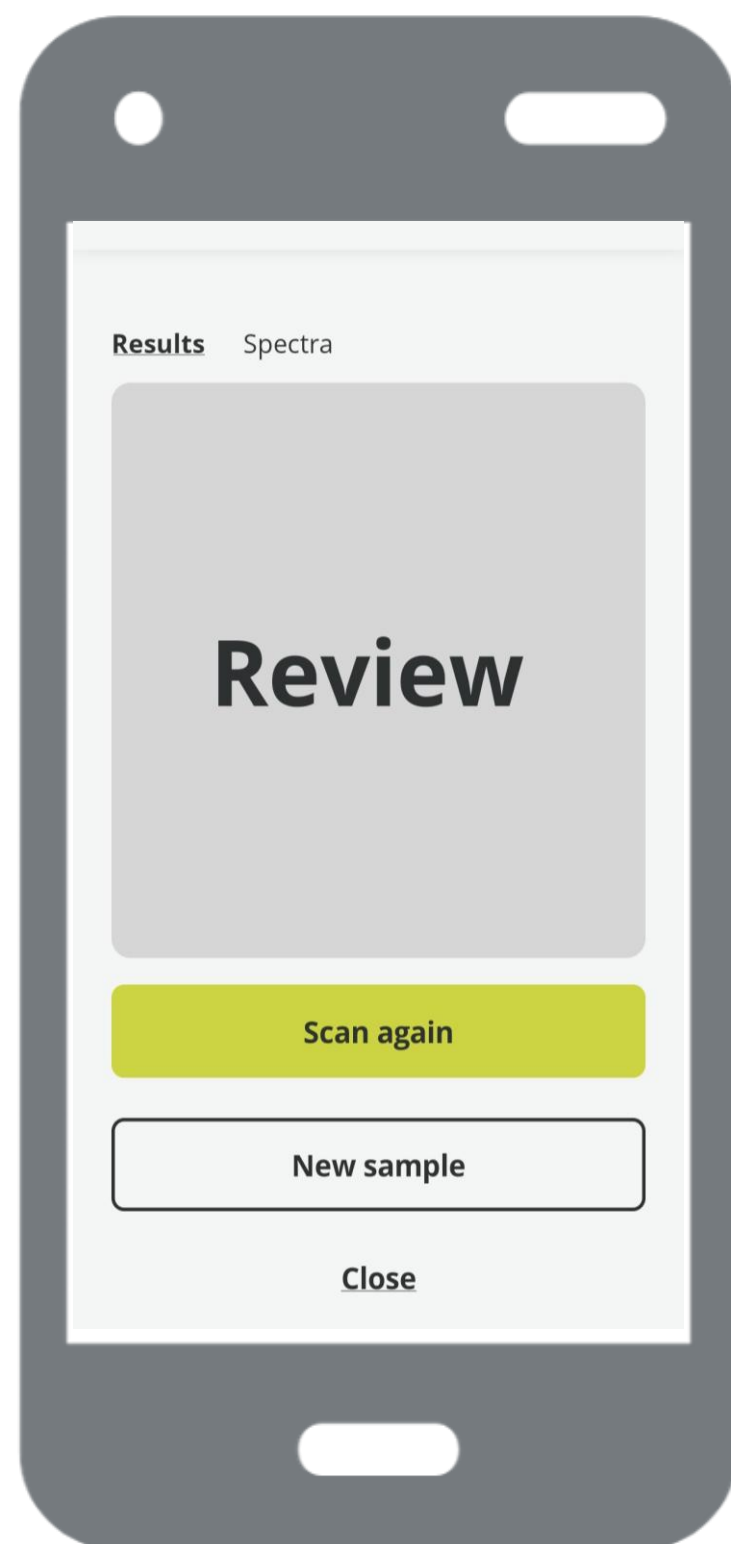
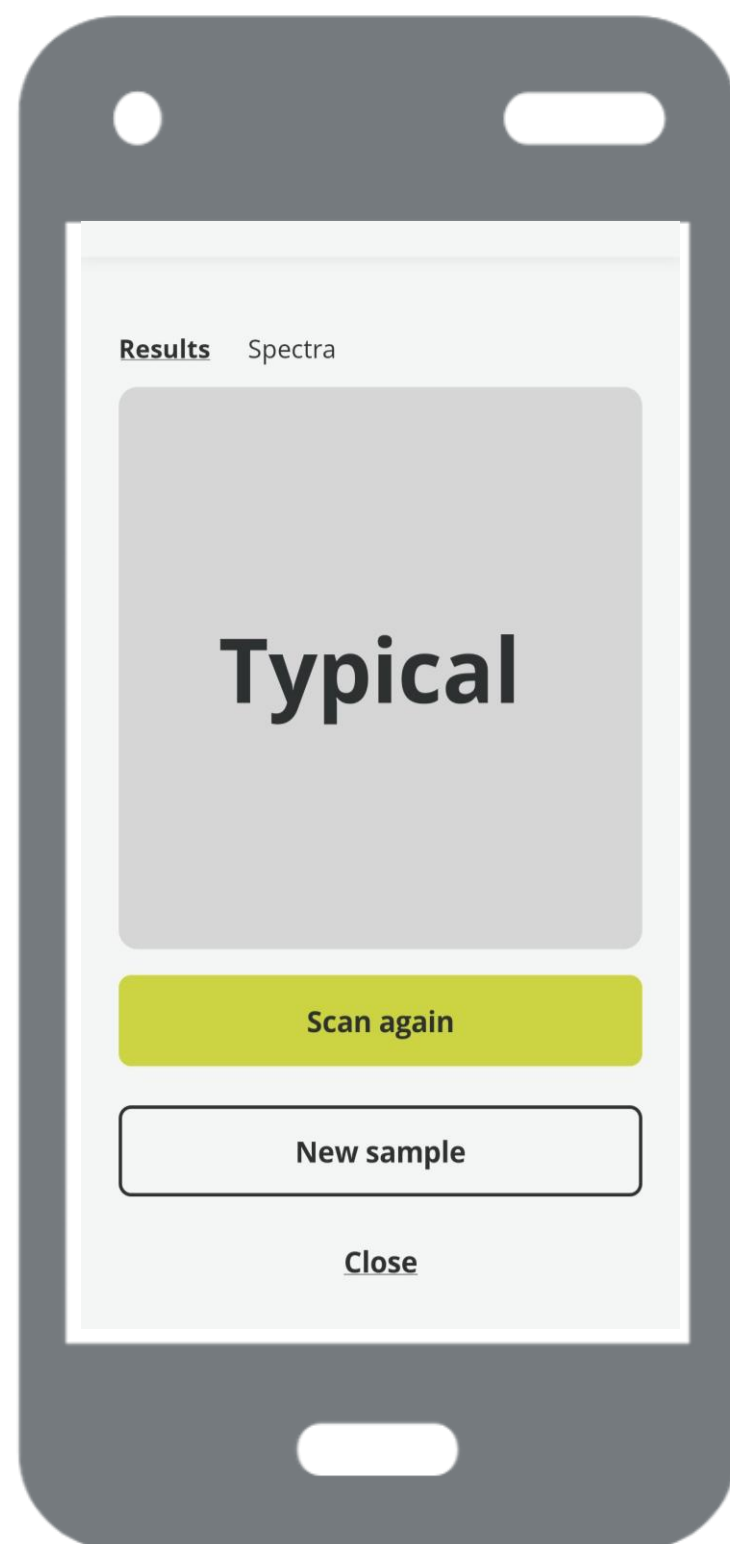


Results





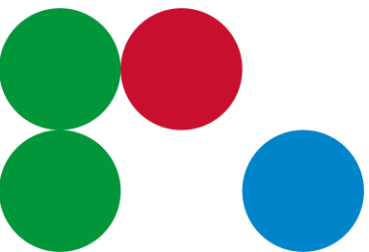
Results

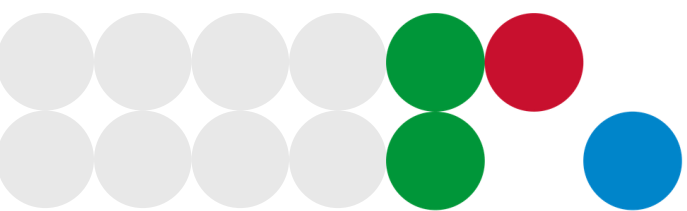


Typical: No further testing required

Review: Further testing required

Cleaning





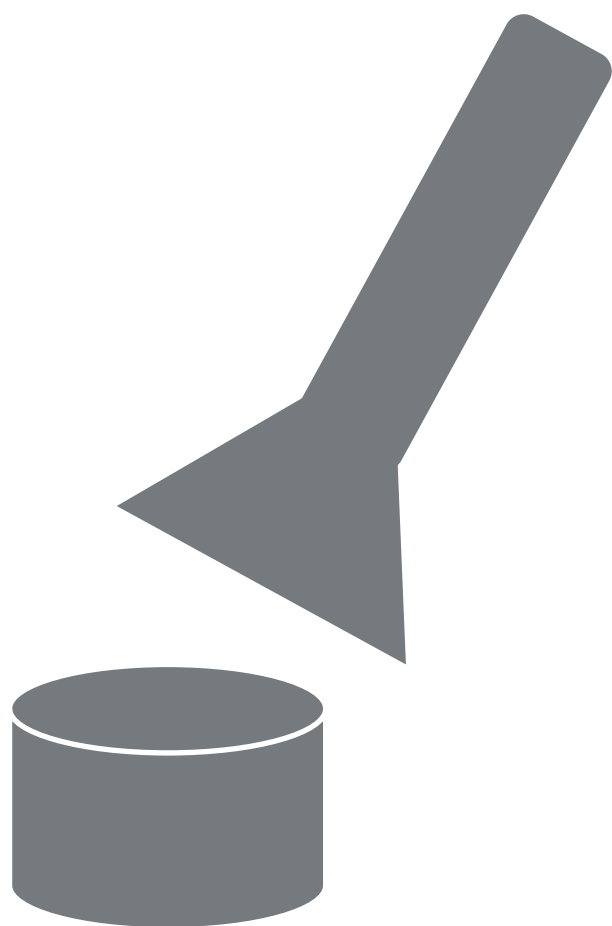
Cleaning

1

**Brush away
visible debris
between
samples**

2

**Use
Isopropanol
wipes
between high-
residue
commodities**



Do not use anything abrasive

Do not use a wet brush

Allow the Isopropanol to dry

Soapy water is OK, but rinse well