

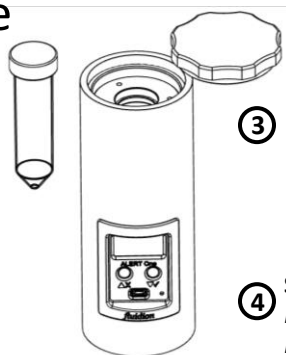
ALERT One

Handheld Microbiology Analyzer
V1.5



Need help ? Email support@fluidion.com

Quick Start Guide



① Prepare vial and reagent
 Prepare sample and reagent (p.2)
 Mix thoroughly

② Insert vial in the device
 Remove analyzer cap
 Insert vial fully
 Replace analyzer cap

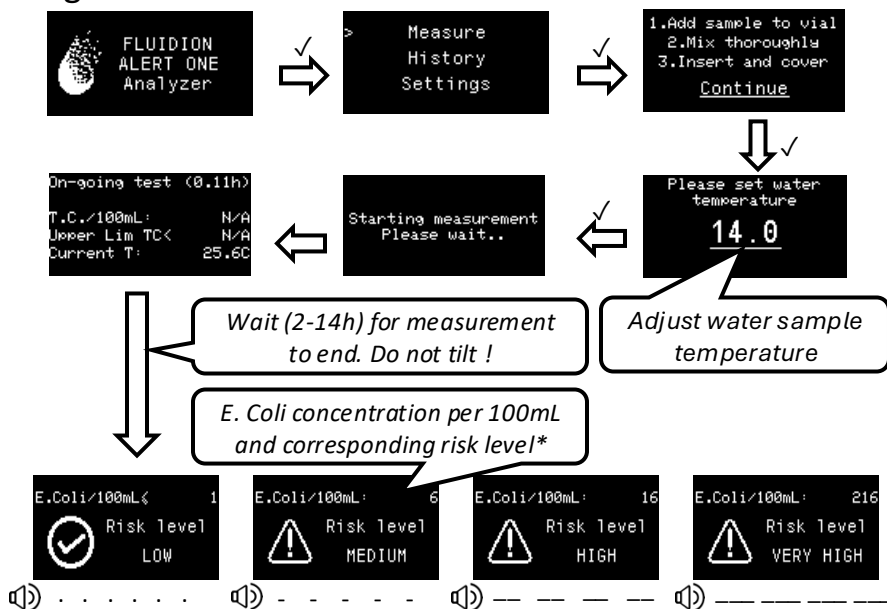
③ Power the analyzer
 Requirements: USB-C 5V DC, 15W
 Use supplied adapter or battery pack
 Battery must have trickle charge capability activated

④ Start the measurement
 Navigate to **Measure** menu
 Follow instructions below

| Menu Navigation | ▲ X | ▼ ✓ |
|------------------------|---------------|------------------------|
| Press | Scroll Up | Scroll Down |
| Press & Hold (1s) | Cancel / Back | OK / Validate |
| Press & Long Hold (5s) | | Advanced Data Display* |

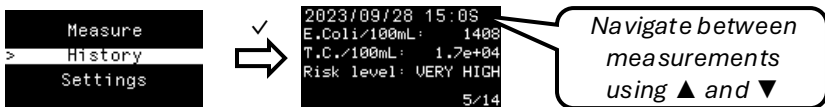
* While performing a measurement, or in the History menu

Starting a Measurement



***Note:** Risk thresholds are custom defined in the Settings Menu

Exploring Data History



Settings Menu



Download data Send datasets to serial port (use app to process)

Set Threshold¹ Adjust the risk thresholds

Date and Time Change device date and time

Device Info Display serial number and firm ware versions

Clear Memory² Delete all measurements from device memory

Sound Toggle sound alerts On or Off

Display T.C. Toggle display of Coliform results On or Off

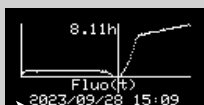
Calib¹ Select a specific calibration

Volume (ml)¹ Set the water sample volume

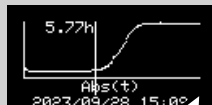
¹ Will affect future measurements

² Will result in data loss

Advanced Data Display: Long Press (5s) ▼ ✓



Fluorescence curve
(E. coli signal)



Absorbance curve
(Coliform signal)

during measurement
or in History Menu

Bl_blue: 2191
Bl_orange: 4894
Bl_UU: 585
Smart heat: 12.63
Calib: 1.6.29

Raw signals and
algorithm version

Available calibrations for use with ALERT One*

- Not all may be present. New calibrations under constant development. Inquire with Fluidion for available upgrades.

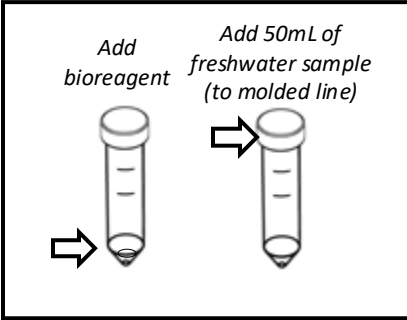
| | | |
|--------|---|--------------------------------|
| 1.6.40 | E.coli TC River - Plastic v2 (EV2024) | For freshwater (river, lake) |
| 1.6.41 | E.coli TC Seawater- Plastic v2 (EV2024) | For seawater (ocean, brackish) |
| 1.6.44 | Enterococci River - Plastic (ENTRP-ALM2024) | For freshwater (river, lake) |
| 1.6.45 | Enterococci Sea - Plastic (ENTSP-ALM2024) | For seawater (ocean, brackish) |

Sample and Reagent Preparation*

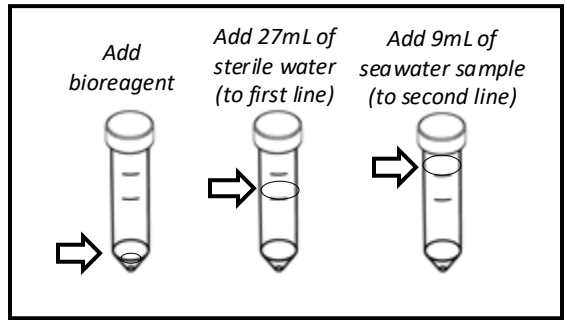
**Shown for single-use plastic vial. Glass vials currently not supported.*

Does not apply to Enterococci freshwater measurements – inquire with Fluidion for protocol details

Freshwater samples



Seawater samples



Sample and vial disposal procedure

Dispose used vial as biological waste according to local regulations. If available, use appropriate biological waste collection services. **Only when no biological waste collection service available**, follow the vial disinfection procedure below:

Add 1ml of concentrated liquid bleach to vial containing sample. Close, shake, wait 15 minutes. Pour content in sanitary drain. Dispose of single-use plastic vials as trash, or, if available, recycle as polypropylene (PP)



Important Safety Information:

- Read the reagent Material's Safety Data Sheet (MSDS) before use.
- Wear protective gloves when dealing with potentially contaminated samples.
- Protect clothing from bleach projections to avoid staining.
- Keep instrument and battery dry and protected from the elements
- Ensure that reagent is within its validity period.
- Do not leave device in direct sunlight. Max. ambient temperature: 37°C.
- Do not tilt the device while performing a measurement. Alarm will sound.



Product Warning

The reagents used with this product cause rapid multiplication of E.coli and other potentially harmful biological substances. Used samples and reagents should never be disposed directly into the environment or drinking water sources. This product and all associated reagents and consumables should never be used or accessed by unsupervised children.

