

# ALERT One

Handheld Microbiology Analyzer  
V1.5



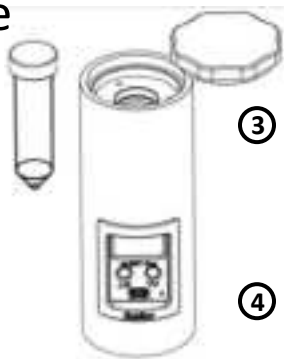
Need help ? Email [support@fluidion.com](mailto:support@fluidion.com)

[www.fluidion.com](http://www.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



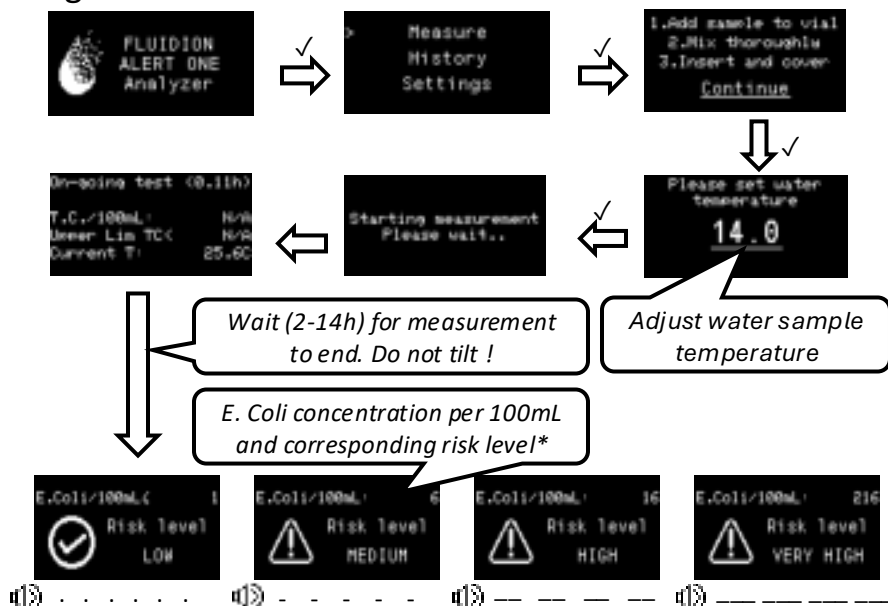
- ③ **Power the analyzer**  
Requirements: USB-C 5V DC, 15W  
Use supplied adapter or battery pack  
Battery must have trickle charge  
capability activated

- 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*

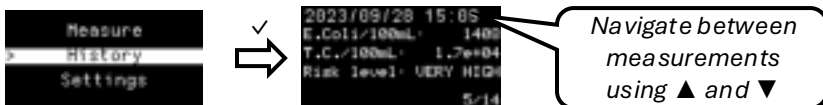
\* While performing a measurement, or in the History menu

## 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 Threshold<sup>1</sup>** Adjust the risk thresholds

**Date and Time** Change device date and time

**Device Info** Display serial number and firm ware versions

**Clear Memory<sup>2</sup>** Delete all measurements from device memory

**Sound** Toggle sound alerts On or Off

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

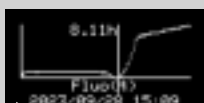
**Calib<sup>1</sup>** Select a specific calibration

**Volume (ml)<sup>1</sup>** Set the water sample volume

<sup>1</sup> Will affect future measurements

<sup>2</sup> Will result in data loss

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

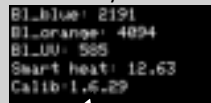


Fluorescence curve  
(E. coli signal)



Absorbance curve  
(Coliform signal)

during measurement  
or in History Menu



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.

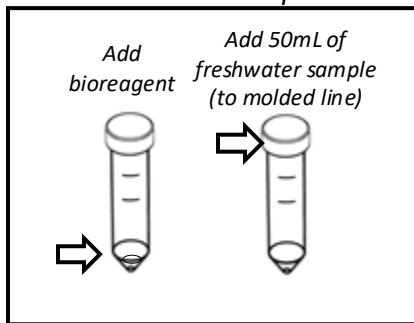
1.6.40	E.coli TC River - Plastic v2 (EV2024)	For freshwater (river, lake)
1.6.41	E.coli TC Seawater- Plastic v2 (EV2024)	For seawater (ocean, brackish)
1.6.44	Enterococci River - Plastic (ENTRP-ALM2024)	For freshwater (river, lake)
1.6.45	Enterococci Sea - Plastic (ENTSP-ALM2024)	For seawater (ocean,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

## Sample and Reagent Preparation\*

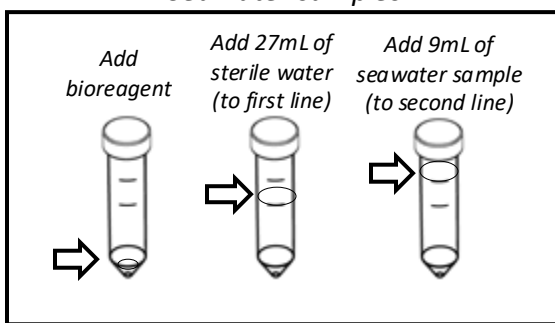
*\*Shown for single-use plastic vial. Glass vials currently not supported.*

**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.

