

# ALERT One

Handheld Microbiology Analyzer  
V1.4



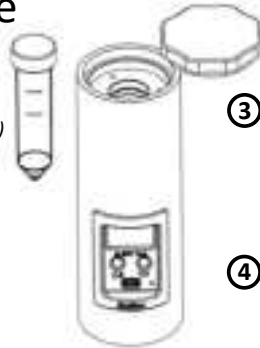
Need help ? Email [support@fluidion.com](mailto:support@fluidion.com)

[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

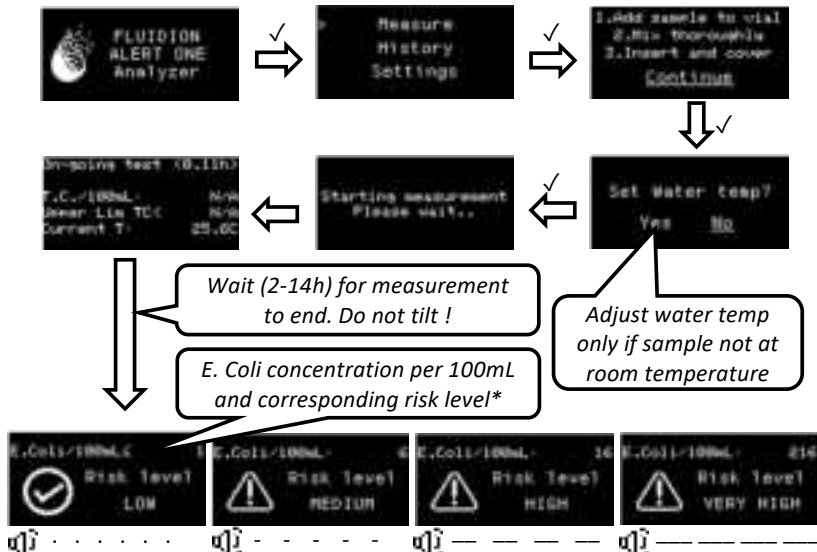
- ④ **Start the measurement**  
Navigate to **Measure** menu  
Follow instructions below

### 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

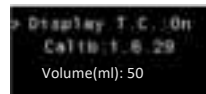
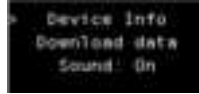
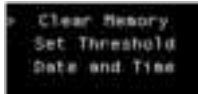


## Exploring Data History



Navigate between  
measurements  
using ▲ and ▼

## Settings Menu



### Clear Memory

Delete all measurements from device memory

### Set Threshold\*

Adjust the risk thresholds

### Date and Time

Change device date and time

### Device Info

Display serial number and firmware versions

### Download data

Send datasets to serial port (computer app required)

### Sound

Toggle sound alerts On or Off

### Display T.C.

Toggle display of Coliform results On or Off

### Calib\*

Select a specific calibration (see below)

### Volume (ml)\*

Set the final volume (freshwater: 50ml, seawater: 37ml)

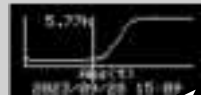
\* Will affect future measurements

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

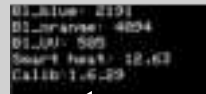
during measurement  
or in History Menu



Fluorescence curve  
(E. coli signal)



Absorbance curve  
(Coliform signal)



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)

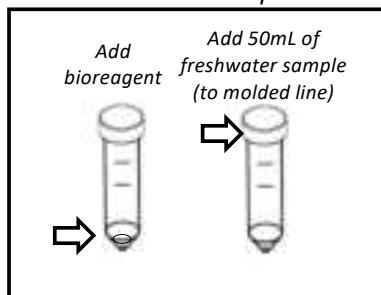
**1.6.41** E.coli TC Seawater- Plastic v2 (EV2024)

For seawater (ocean, brackish)

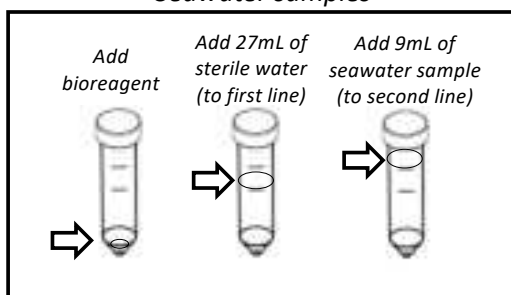
## Sample and Reagent Preparation\*

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

### 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.

