



Fluidion ALERT One Handheld Microbiology Analyzer User Guide

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<https://fluidion.com/products/analyzers/alert-one>

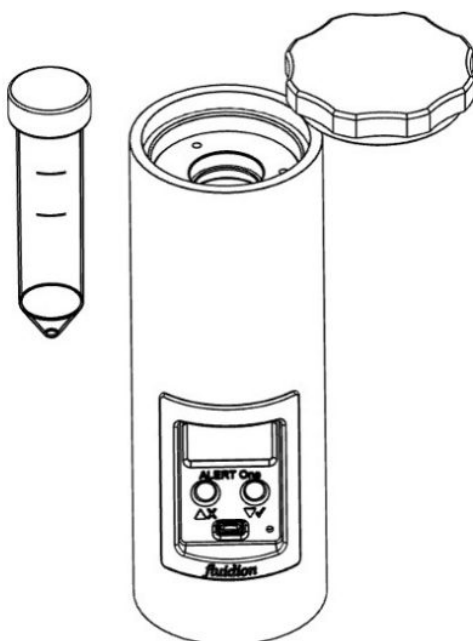
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ALERT One Handheld Microbiology Analyzer

ALERT One

Handheld Microbiology Analyzer



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

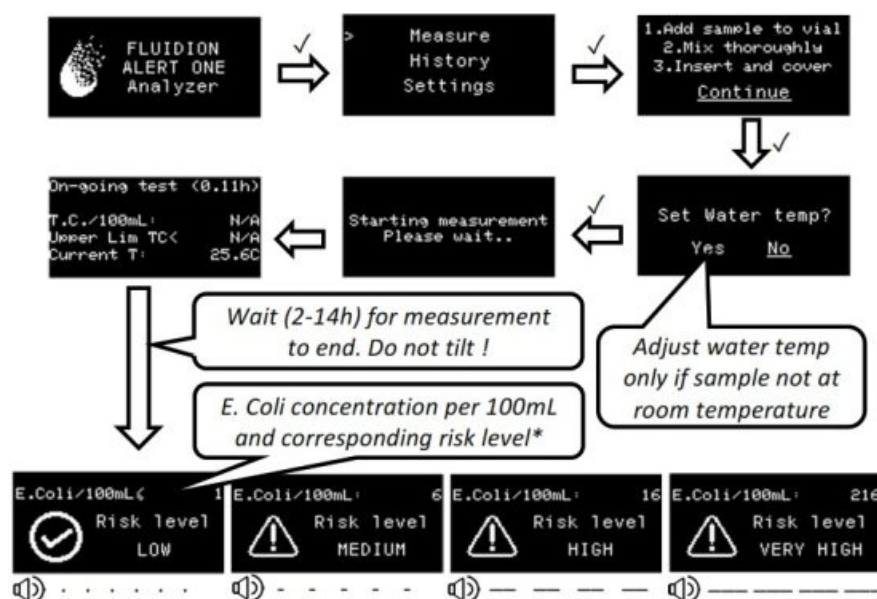
Navigate to Measure menu

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

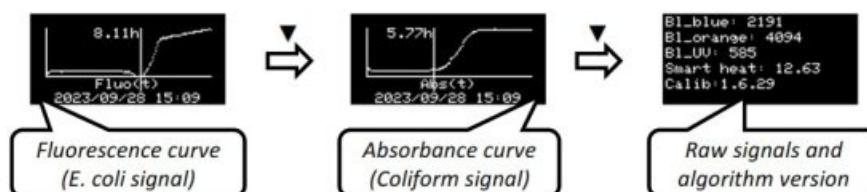


Clear Memory	Delete all measurements from device memory
Set Threshold*	Adjust the risk thresholds
Date and Time	Change device date and time
Device Info	Display serial number and firmware versions
Download data	Send datasets to serial port (computer app required)
Sound	Toggle sound alerts On or Off
Display 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



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)

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

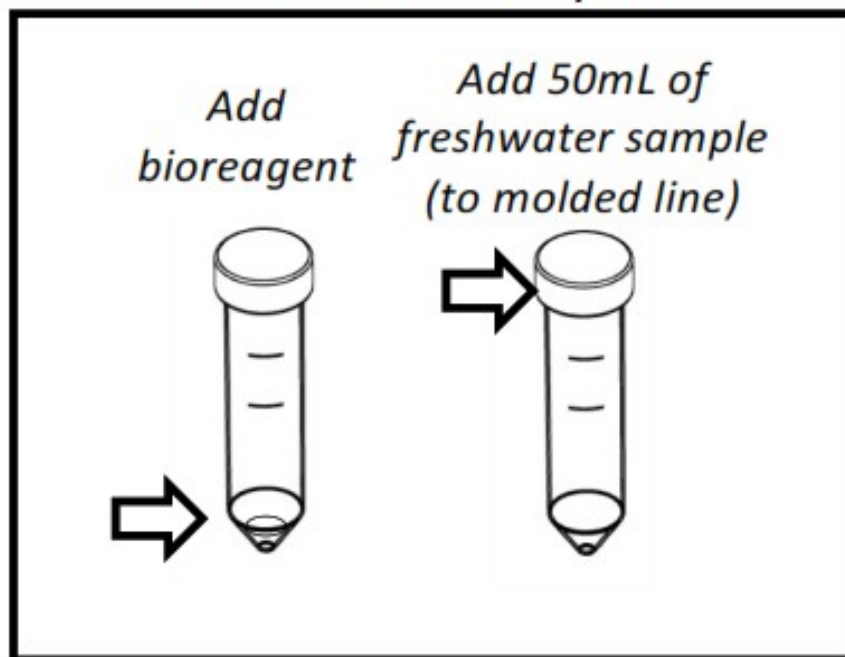
For freshwater (river, lake)

For seawater (ocean, brackish)

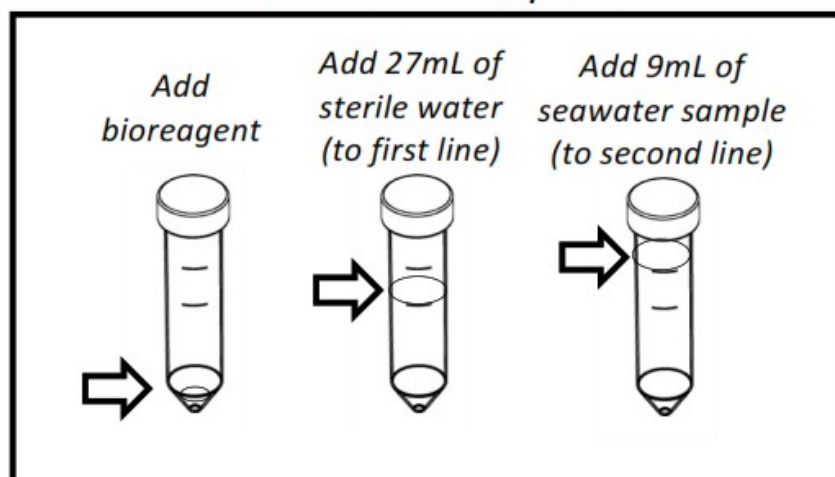
Sample and Reagent Preparation*

*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.



www.fluidion.com

Documents / Resources

	<p>Fluidion ALERT One Handheld Microbiology Analyzer [pdf] User Guide V1, V1.4, ALERT One Handheld Microbiology Analyzer, ALERT One, Handheld Microbiology Analyzer, Microbiology Analyzer, Analyzer</p>
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References

- [User Manual](#)

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