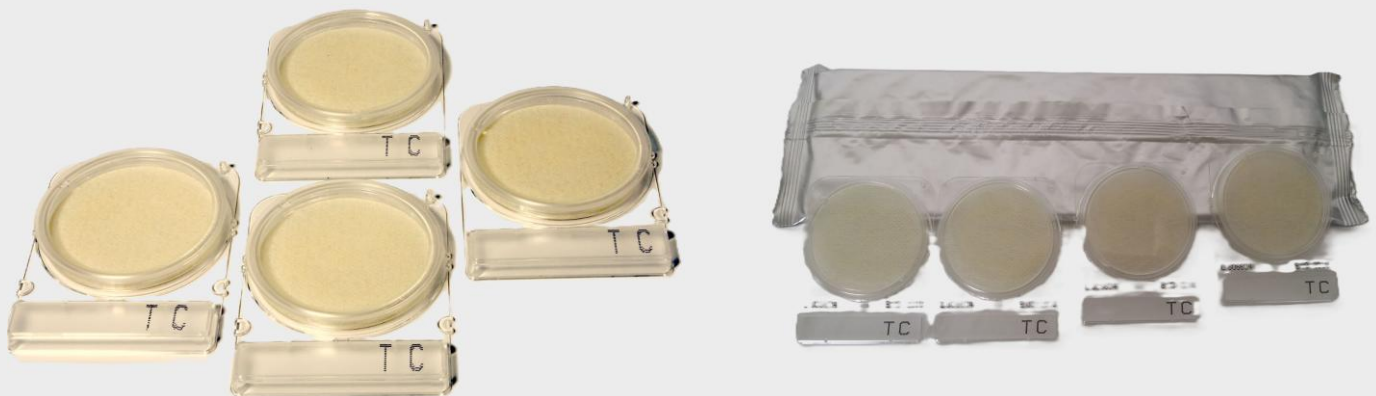


BACTERIA PLATES (20 TESTS)

Product Number: 700290



This test measures the total aerobic bacteria in water samples. The sample is applied to a dehydrated culture medium and incubated for 48 hours. This test measures the **total aerobic bacterial load** in water samples, providing a reliable indication of overall microbiological water quality. The sample is applied to a dehydrated culture medium and incubated using an **AOAC-certified method**. Aerobic bacteria develop as **distinct red colonies**, which are counted and reported as **CFU/ml**.

To ensure accurate and repeatable results, samples must be incubated at the correct temperature using an appropriate incubator.

Test Parameters: Developed to quantify total aerobic bacteria in water samples within **48 hours** at **35 °C ± 2 °C**.

Test Range

0 – 2000 CFU/ml

Quantity

Each kit contains **20 tests per box**, providing excellent value for routine onboard water quality monitoring.

Instructions for use

Step 1 – Sample Collection and Preparation

- Collect **100 ml** of water using a sterile sample bag containing a **thiosulfate tablet**.
- Ensure the sampling point is clean.
- Allow the thiosulfate tablet to fully dissolve.
- Set the incubator to **35 °C**.

Step 2 – Dilution, Inoculation, and Incubation

- Wipe the dilution pot foil with an alcohol wipe.
- Using a sterile syringe, transfer **1 ml** of the sample into the dilution pot and mix gently.
- Using a new sterile syringe, dispense **1 ml** from the dilution pot onto the centre of the TVC plate.
- Close the plate and incubate at **35 °C for 48 hours**.

Step 3 – Reading and Reporting Results

- Count the red colonies visible on the plate.
- CFU/ml = number of colonies × 10.
- If the plate appears fully pink with no distinct colonies, report the result as >2000 CFU/ml.

To be used with

Product	Product Number
Potable Water Test Kit W/O E.COLI	777619
Dilution Pots (20 PCS)	700295

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Contact your local WSS customer service for prices and availability

