EC Blue 100 and 100P

A rapid solution for water quality and safety

EC Blue is a simple, quick and reliable test method for the qualitative and quantitative determination of coliforms and E.coli in water.

Easy to use

- **Simple**, easy and ready to use.
- No preparation, 100 mL of water tested directly and incubated at 35 ± 2 °C.

Rapid

- EC Blue provides reliable test results in 24 hours.

Interpretation

- **Safe and clear-cut** – Easy interpretation, a chromogenic colour reaction (blue) for coliform AND simple UV lamp fluorescence for *E.coli*.
- Reliable results – Colour comparator EC Blue 100 Comparator.

Stability

- **Stable and easy to store** – no need for refrigeration.
- **Shelf life of 2 years** at room temperature if protected from light.

General Protocol

- Pour 100 mL of water tested directly into the EC Blue 100 bottle.
- Incubate at 35 ± 2 °C for 24h.
- In presence of coliforms the reagent turns to blue/blue-green colour. *E.coli* releases a fluorescent dye detectable under UV light.

Product Name	Packaging	Product Number
EC BLUE 100P	100	05591-EBP-100
EC BLUE 100	80	05593-EB0-080
EC BLUEQUANT	18	06517-EBQ-018
EC BLUE COMPARATOR	1	05617-EBC-001

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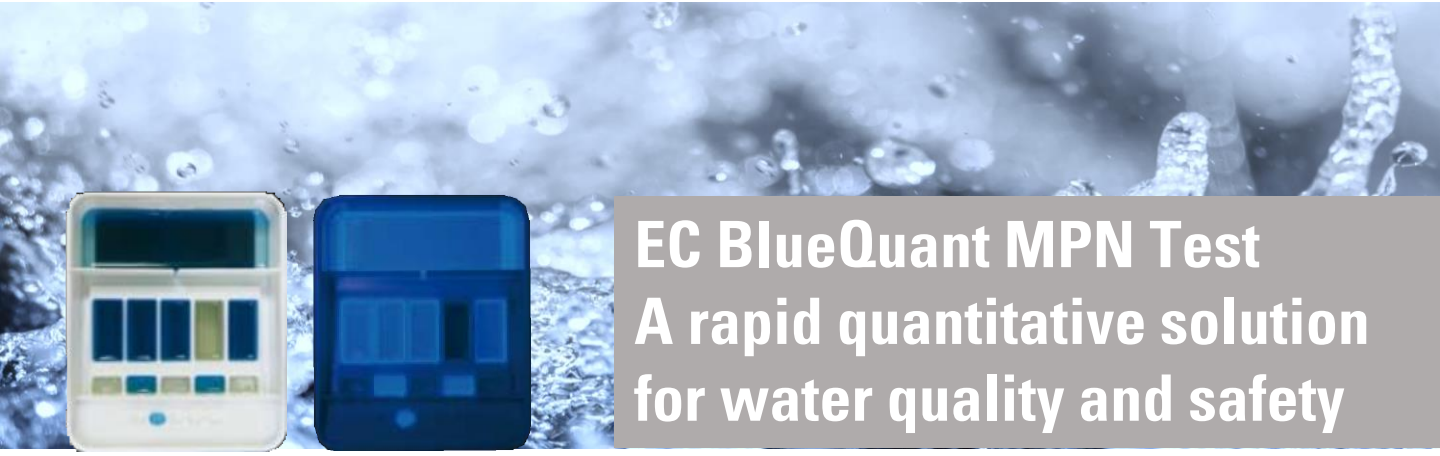

EC BlueQuant MPN Test
A rapid quantitative solution for water quality and safety

EC BlueQuant provides a rapid and easy method of quantifying coliforms and E.coli in the form of an MPN test (Most Probable Number).

Easy to use

- **Simple to operate** without additional equipment other than an incubator.

Innovative

- **Unique, innovative design** of EC BlueQuant allows rapid and reliable processing of MPN tests .

Quantitative

- **Standardised MPN method** uses three different dilutions (10mL, 1mL and 0.1mL) with 5 compartments per dilution.

Rapid

- **Time saving** - does not require prior serial dilution.

General Protocol

- Mix the water sample (100 mL) with the EC Blue 100 or 100 P medium.
- Place the EC BlueQuant on a horizontal surface. Pour the mixture into the EC BlueQuant. The sample distributes evenly into the dilution compartments.
- Close the lid and incubate the sample for 24 h at 35 ± 2 °C.
- After incubation samples contaminated coliform bacteria exhibit a typical blue coloration. *E.coli* fluoresce under UV light (366 nm).
- For quantitative analysis expressed in cfu/mL. Count the number of positive wells per dilution (10mL, 1mL and 0.1 mL) then refer to the MPN calibration tables (e.g. DIN EN ISO 9308-2:2014-06) to determine the total number of bacteria in 100 mL.

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