

1.01299.0001

Readycult®
Enterococci 100

Quality Control

Test strain	Growth	Color change
Enterococcus faecalis ATCC 19433	+	+
Staphylococcus aureus ATCC 25923	+	–

Contents: 20 blister
1 blister each for 100 ml of water sample.

Application

Selective enrichment broth for the detection of Enterococci and D-Streptococci within the bacteriological water examination.

Principle

The peptone mixture guarantees rapid growth of Enterococci. Sodium-azide largely inhibits the accompanying flora, especially the gram-negative. The chromogenic substrate X-GLU is cleaved, stimulated by selected peptones, by the enzyme β -D-Glucosidase present in Enterococci. This results in an intensive blue-green colour change of the broth.

Composition in g/blister

Peptones 0.86; sodium chloride 0.64; sodium-azide 0.06; X-GLU 0.004; Tween® 80 0.22.

Procedure

1. Add 100 ml of water sample into a sterile, transparent vessel with a minimum capacity of 120 ml. In case the sample is to be stored below +25 °C the examination has to be started within 6 hours. Exceptionally the sample can be stored at +2 to +8 °C (refrigeration) for up to 24 hours.
2. Take out one blister, shortly tap to ensure the granules at the bottom of the blister. Bend the upper part of the blister until it breaks open.
Attention: To avoid contamination risk do not touch the opening!
3. Add the contents to the water sample. Seal the vessel and shake to completely dissolve the granules.
4. Incubate the vessel at 35–37 °C for up to 24 hours. If incubated at room temperature (+20 to +25 °C) the incubation time is prolonged up to 48 hours.

Interpretation of Results

Negative: No colour change. The broth remains slightly yellow.

Positive: Any colour change of the broth to blue-green, even only in the upper section of the broth, confirms presence of Enterococci (X-GLU reaction). No decoloration with shaking!

Disposal

Autoclave the broth (15 min./121 °C). Alternatively heat the broth for 30 min. in boiling water.

Storage

Store dry and tightly closed at +15 °C to +25 °C. Protect from light.

Shelf life

See expiry date.

Additives

Merck Cat.No.	Product	Pack size
1.13311.0001	CULTURA Mini Incubator 230 Volts	1 each
1.15533.0001	CULTURA Mini Incubator 115 Volts	1 each

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