

Technical Data Sheet

Readycult®

Enterococci 100

Ordering number: 1.01299.0001

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

General Information

Content: 20 snap packs. The Readycult snap packs are gamma-irradiated.

1 snap pack each for 100 ml of water sample.

Mode of Action

The peptone mixture guarantees rapid growth of Enterococci. Sodium azide largely inhibits the accompanying flora, especially the Gram-negative. The granulated medium in snap packs is irradiated to allow for

The chromogenic substrate X-GLU is cleaved, stimulated by selected peptones, by the enzyme β -D-Glucosidase present in Enterococci. The presence of Enterococci is indicated by an intense blue-green colour of the broth.

Typical Composition (g/L)

Readycult® Enterococci 100	
Peptones	0.86
Sodium chloride	0.64
Sodium-azide	0.06
X-GLU	0.004
Tween® 80	0.22

pH: 7.5 ± 0.2 at 25 °C

Preparation

1. Add 100 ml of water sample into a sterile, transparent vessel with screw cap, with a minimum capacity of 120 ml.
2. Take one snap pack, shortly tap to ensure the granules are at the bottom. Bend the upper part of the snap pack until it breaks open.

Attention: do not touch the opening to avoid contamination risk!

3. Add the contents to the water sample. Seal the vessel and shake to dissolve the granules completely.
4. Incubation: 18-24 h at 35° to 37 °C. If incubated at room temperature (+20 °C to 25 °C) the incubation time is prolonged up to 48 hours.

Experimental Procedure and Evaluation

Interpretation of Results

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

Positive: Any colour change of the broth to blue-green, even in the upper section of the broth only, confirms the presence of Enterococci (X-GLU reaction).

No decolouration with shaking!

Disposal

Autoclave the broth (15 min / 121 °C). Alternatively heat the broth for 30 min. in boiling water or use a proper disinfectant.

Storage

If the sample needs to be stored below +25 °C before use, the examination must be started within 6 hours.

Store unopened snap packs dry at +15 °C to +25 °C.

If stored under recommended conditions the unopened snap pack has a shelf-life of 3 years after day of production (see expiry date on the label).

Quality Control

Control strains	Inoculum	Growth; 24-48 h at 35°C, aerobic	Colour change to blue-green
Enterococcus faecalis ATCC 19433 (WDCM 00009)	10-100	fair / good	+
Enterococcus durans ATCC 19432	10-100	fair / good	+
Staphylococcus aureus ATCC 25923 (WDCM 00034)	≥ 1000	fair / good	-

Please refer to the actual batch related Certificate of Analysis.



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**Positive
colour change
to blue-green**

**Presence
of
Enterococci**



**Negative
no colour change
to blue-green**

No Enterococci

Ordering Information

Product	Cat. No.	Pack size
Readycult® Enterococci 100	1.01299.0001	1 x 20 tests
CULTURA® Mini-Incubator (100-110 V)	1.15533.0001	1 ea
CULTURA® Mini-Incubator (220-235 V)	1.13311.0001	1 ea

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