

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 ß-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.

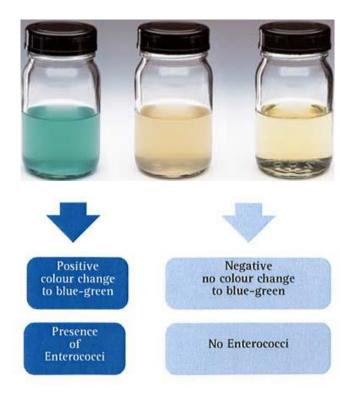
If stored under recommended conditions the unopened snap pack has a shelf-life of 3 years after day of production (see expiry date on the label).

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.





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 |

Merck KGaA, 64271 Darmstadt, Germany Fax: +49 (0) 61 51 / 72-60 80 mibio@merckgroup.com

www.merckmillipore.com/biomonitoring

Find contact information for your country at: www.merckmillipore.com/offices
For Technical Service, please visit: www.merckmillipore.com/techservice

