

# ReadyCult® Enterococci 100

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

## General Information

**Content:** 20 snap packs

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 chromogenic substrate X-GLU is cleaved, stimulated by selected peptones, by the enzyme  $\alpha$ -D-Glucosidase present in Enterococci. This results in an intensive blue-green colour change of the broth.

## Typical Composition (g/snap pack)

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

pH:  $7.5 \pm 0.2$  at 25 °C.

## Preparation

1. Add 100 ml of water sample into a sterile, transparent 250 ml vessel with screw cap.
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

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.

Store 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).

## Ordering Information

Product	Ordering 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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## Quality control

Test strains	Growth	Colour change to blue-green
Enterococcus faecalis ATCC 19433	fair / good	+
Staphylococcus aureus ATCC 25923	fair / good	-

