

Reference: 170980ZA

**Technical Data Sheet** 

**Product: Slanetz and Bartley Agar** 

## **Specification**

Differential selective medium for the detection and enumeration of enterococci according to ISO Standard.

#### **Presentation**

30 Prepared Plates 55 mm Plates for filtration purposes **Packaging Details** 

**Shelf Life** 

Storage

1 box containing: 6 plastic bags with 5 plates of 55

6 months 2-25°C

with: 9 ± 1 ml

mm/ bag.

## Composition

Composition (g/l):	
Tryptose	20.0
Yeast extract	5.00
D(+) Glucose	2.00
Dipotassium phosphate	4.00
Sodium azide	0.40
TTC	0.10
Agar	12.0

# **Description / Technique**

Differential medium for enumeration and differentiation of enterococci in water samples based on the resistance to sodium azide and the ability of enterococci to reduce the TTC to formazan and so their colonies are red in colour.

Note: The color tone (light amber / pale pink) between batches can vary without modifying the characteristics of the medium.

For the membrane filtration technique, take 100 mL of a well mixed water sample, and pass it through a sterile membrane filter. Then wash with 30 mL of sterile water to rinse the funnel of the filtering system.

Using sterile forceps, transfer the membrane aseptically to the culture medium contained in a Petri dish, making sure that the filter surface faces upwards. Close the lid and invert the plate. Incubate at 36 ± 2°C for 44 ± 4 hours. The developed colonies that appear red or purple in colour must be considered as enterococci, since these bacteria reduce Triphenyltetrazolium-HCl to an insoluble formazan which is red in colour. The secondary or accompanying Gram negative bacteria are inhibited by sodium azide.

Note: the presence of enterococci must be confirmed with complementary biochemical tests (Catalase, Esculine, etc).

### **Quality control**

## Physical/Chemical control

Color: Light amber - pale pink pH: 7.2 ± 0.1 at 25°C

## Microbiological control

Membrane Filtration /Practical range 100±20 CFU; Min. 50 CFU (Productivity)./104-106 CFU for Selectivity. Microbiological control according to ISO 11133:2014/ Adm 1:2018.

Aerobiosis. Incubation at 36 ± 2°C, reading at 44±4 h

### Microorganism

Escherichia coli ATCC® 25922, WDCM 00013 Enterococcus faecalis ATCC® 19433, WDCM 00009 Enterococcus faecalis ATCC® 29212, WDCM 00087 Stph. aureus ATCC® 25923, WDCM 00034

Enterococcus faecium ATCC® 6057, WDCM 00177

#### Growth

Inhibited Good (≥ 50%) Colonies Red-brow Good (≥ 50%) Colonies Red-brow Inhibited Good (≥ 50%) Colonies Red-brow

### **Sterility Control**

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH Check at 7 days after incubation in same conditions

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# **Bibliography**

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