

Specification

Liquid culture medium used for the determination of germicidal activity coefficients of cationic detergents.

Presentation

10 Prepared bottle
Bottle 125 ml
with: 100 ± 3 ml

Packaging Details

1 box with 10 bottles 125 ml. Injectable cap: Plastic screw inner cap. The use of syringes needles with a diameter greater than 0.8 mm is not recommended.

Shelf Life

12 months

Storage

8-25 °C

Composition

Composition (g/l):

Meat Peptone.....	10.00
Meat Extract.....	5.00
Sodium Chloride.....	5.00
Lecithine.....	0.70
Polysorbate 80.....	5.00

Description /Technique

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results. Dispense liquid medium in appropriate containers if the original container is of large volume.

Inoculate aseptically the tubes with the prepared sample or its dilution.

Incubate the tubes tightly closed aerobically at 37±1°C for 24-48 h.

(Incubation times, temperature and sample volumes may vary depending on the sample, on the specifications...)

Read the turbidity increase as growth indicator.

This medium can be used to inoculate any confirmatory, secondary medium by streaking methodology or by spiral method; after proper incubation, enumerate all the colonies that have appeared onto the surface of the secondary agar.

Each laboratory must evaluate the results according to their specifications.

Calculate total microbial count per ml of sample by multiplying the average number of colonies per plate by the inverse dilution factor if streaked a diluted sample. Report results as colony forming Unit (CFU's) pe ml or g along with enrichment and secondary media used, incubation time and temperature.

Quality control

Physical/Chemical control

Color : Yellowish-brown

pH: 7.0 ± 0.2 at 25°C

Microbiological control

Prepare tubes - Inoculate: Practical range 100 ± 20 CFU. min. 50 CFU (productivity).

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020

Aerobiosis. Incubation at 37 °C ± 1, reading after 24-48 ± 2h

Microorganism

Escherichia coli ATCC® 25922, WDCM 00013

Enterococcus faecalis ATCC® 19433, WDCM 00009

Ps. aeruginosa ATCC® 9027, WDCM 00026

Staphylococcus aureus ATCC® 6538, WDCM 00032

Bacillus subtilis ATCC® 6633, WDCM 00003

Candida albicans ATCC® 10231, WDCM 00054

Growth

Good

Good

Good

Good

Good

Good

Sterility Control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Bibliography

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