



Reference : 02-236

Scharlau Microbiology - Technical data sheet

Product :
LETHEEN BROTH

Specification

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

Formula * in g/L

Peptone..... 10.0
Meat extract.....5.0
Lecithin..... 0.7
Sodium chloride.....5.0

Final pH 7,0 ±0,2 at 25°C

* Adjusted and /or supplemented as required to meet performance criteria

Directions

Dissolve 20,7 g of powder in 1 L of distilled water with 5 mL of Polysorbate 80 (Art. No. TW0080). Distribute in suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

Description

This is the liquid version of Lethen Agar (Art. No. 01-236), recommended by AOAC to verify the germicidal activity coefficients in cationic soaps. The formulation is not the same as the agar.

Quality control

Incubation temperature: 35°C ±2,0 **Incubation time:** 24 h ± 2
Inoculum: ≤100 CFU. Min. 50 CFU (Productivity) according to ISO 11133:2014.

Microorganism	Growth	Remarks
<i>Bacillus subtilis</i> ATCC 6633	Good	-
<i>Staphylococcus aureus</i> ATCC 6538	Good	-
<i>Salmonella typhimurium</i> ATCC 14028	Good	-
<i>Escherichia coli</i> ATCC 8739	Good	-
<i>Enterococcus faecalis</i> ATCC 19433	Good	-
<i>Pseudomonas aeruginosa</i> ATCC 9027	Good	-
<i>Candida albicans</i> ATCC 10231	Good	-



References

- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
- HORWITZ, W. (2000) Official Methods of Analysis. AOAC International. Gaithersburg. MD. USA.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- LUCAS, I.P. (1977) Microbiological Examination of Cosmetics. Newburger's Manual of Cosmetic Analysis AOAC. Washington.
- WEBER, G.R. & L.A. BLACK (1948) Relative efficiency of quaternary inhibitors. Soap and Sanit. Chem. 24:134-139.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4°C to 30°C and <60% RH).

Packaging