

**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  
 Sodium chloride..... 5.0

Final pH 7,2 ±0,2 at 25 °C

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

**Directions**

Dissolve 20 g of powder in 1 L of distilled water with 5 mL of Polysorbate 80 (Art. No. DSHB3131). Distribute in suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

**Description**

General purpose medium for the growth of a high variety of microorganisms without special requirements, Used for the verification of activity coefficients in cationic detergents in cosmetic products. This medium does not incorporate the lecithin and tween.

**Quality control**

**Incubation temperature:** 37°C ±1,0

**Incubation time:** 24 h± 2

**Inoculum:** ≤100 CFU. Min. 50 CFU (Productivity) according to ISO 11133:2014/Amd 1:2018 .

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/ Adm 1:2018. 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).