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Nutrient Broth

Universal culture media for cultivating less fastidious microorganisms.

The media comply with the recommendations of the APHA for the examination of foods (1992). According to GRAY et al. (1950) nutrient broth with added 0.05 % potassium tellurite is an excellent enrichment medium for Listeria monocytogenes.

Typical Composition (g/litre)

Peptone from meat 5.0; meat extract 3.0.

Preparation

Suspend 8 g nutrient broth/litre, autoclave (15 min at 121 °C).

pH: 7.0 ± 0.2 at 25 °C.

The plates are clear and yellowish-brown.

Experimental Procedure and Evaluation

Depend on the purpose for which the media are used.

Incubation: 24 h at 35 °C aerobically.

Literature

American Public Health Association: Standard Methods for the Examination of Dairy Products (15th ed. 1985).

American Public Health Association: Compendium of methods for the microbiological examination of foods. 3rd ed., 1992.

GRAY, M.L., STAFSETH, HJ., a. THORP, F.: The use of potassium tellurite, sodium azide, and acetic acid in a selective medium for the isolation of Listeria monocytogenes. **- J. Bact., 59**, 443-444 (1950).

Ordering Information

Product	Merck Cat. No.	Pack size
Nutrient Broth	1.05443.0500	500 g

Quality control of Nutrient Broth

Test strains	Growth
Staphylococcus aureus ATCC 25923	fair / very good
Streptococcus pyogenes ATCC 12344	fair / very good
Listeria monocytogenes ATCC 19118	fair / very good
Escherichia coli ATCC 25922	fair / very good
Salmonella typhimurium ATCC 14028	fair / very good
Pseudomonas aeruginosa ATCC 27853	fair / very good
Bacillus cereus ATCC 11778	fair / very good