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## TECHNICAL INFORMATION

Catalog Number: 1007917  
**Nutrient broth**

For the general cultivation of non-fastidious microorganisms.

Nutrient Broth is a liquid medium, produced according to the formula from APHA<sup>1</sup> and AOAC and support the growth of a great variety of microorganisms that are not very particular in nutritional needs.

	Approximate formula in g/l:	
Gelatin Peptone	5.0	Beef Extract 3.0

Final pH 6.9 ± 0.1

### PREPARATION:

Dissolve 8 g of the medium in a liter of deionized or distilled water. Dispense as desired and sterilize at 121°C (15 lbs. of pressure) for 15 minutes.

### USES:

Nutrient Broth is used in many laboratory procedures as is, or with added indicators, carbohydrates, organic liquids, salts, etc. This medium is used in accordance with official recommended procedures for the bacteriological analyses of water, milk and dairy products, in foods of important sanitation, tests for sensitivity and resistance, and as a base to prepare media supplemented with other nutrients.

### MICROBIOLOGICAL TEST

The following typical results were obtained in the performance of the medium from type cultures after incubation at a temperature of 37°C and observed after 24 hours.

Organism	Growth
<i>Enterobacter aerogenes</i> ATCC 13048	good to excellent
<i>Escheria coli</i> ATCC 25922	good to excellent
<i>Salmonella typhi</i> ATCC 6539	good to excellent
<i>Staphylococcus epidermis</i> ATCC 14990	good to excellent
<i>Streptococcus pyogenes</i> ATCC 12344	Moderate

### Bibliography:

- American Public Health Association, *Standard Methods for the Examination of Water and Sewage*, **9th Ed.**, American Public Health Association, Inc., Washington, D.C. (1946).
- American Public Health Association, *Standard Methods for the Examination of Dairy Products*, American Public Health Association, Inc., Washington, D.C. (1948).
- Walsbren, Carr, and Dunnette A., *J. Clin. Path.*, **v. 21**:884, 1951.

### AVAILABILITY:

<b>Catalog Number</b>	<b>Description</b>	<b>Size</b>
1007617	Nutrient Agar	500 g
1007717	Nutrient Agar 1.5%	500 g
1007817	Nutrient Agar, pH 6.0	500 g
1007917	Nutrient Broth	500 g