

Nutrient Broth

Used for the enumeration of organisms in water, faeces and other materials

Formula in grams per liter:

Gelantin Peptone

5,00 | Beef Extract

3,00

Final pH: 6,8 ± 0,2 at 25 °C

Preparation:

Suspend 8 grams of the medium in one liter of distilled water. Mix well and leave to stand until the mixture is uniform. Heat with gentle agitation and boil for one or two minutes, or until complete dissolution. Dispense and sterilize at 121° C (15 lbs.sp) for 15 minutes.

Uses:

For the general cultivation of non fastidious microorganisms. Nutrient Broth is a liquid medium, produced according to the formula from APHA and AOAC and support the growth of a great variety of microorganisms that are not very particular in nutritional needs.

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 Tests:

Microorganisms	Growth
<i>Enterobacter aerogenes</i> ATCC 13048	Satisfactory
<i>Escherichia coli</i> ATCC 25922	Satisfactory
<i>Salmonella Thypi</i> ATCC 6539	Satisfactory
<i>Stafolyococcus epidermis</i> ATCC 14990	Satisfactory
<i>Streptococcus pyogenes</i> ATCC 12344	Moderate

