

PRODUCT INFORMATION

Nutrient Broth

Cat. No. N14-103



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DESCRIPTION

Nutrient Broth was suggested by the American Public Health Association (APHA) in the early 1900's as a standard culture medium for the use in bacterial processing in water analysis. The APHA advocated the use of this dehydrated medium for the bacterial examination of water and milk. It now continues to be widely used as a general purpose medium for growing nonfastidious organisms. It is specified in many standard methods procedures for examining foods, dairy products, water and other materials.

Formula* per Liter:

Pancreatic Digest of Gelatin5.0g
Beef Extract 3.0g

Final pH: 6.8 ± 0.2 at 25°C

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.

PREPARATION

Mix 8 grams of the medium in one liter of purified water until evenly dispersed. Heat with repeated stirring to dissolve completely. Distribute and autoclave at 121°C for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and beige.
2. Visually the broth medium is pale to light yellow and clear.
3. Expected cultural response after 18-24 hours at 35°C.

Microorganisms:	Growth
<i>Bacillus subtilis</i> ATCC 9372	Fair to Good
<i>Escherichia coli</i> ATCC 25922	Good to Excellent
<i>Salmonella typhimurium</i> ATCC 14028	Good to Excellent
<i>Staphylococcus aureus</i> ATCC 25923	Good to Excellent

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.