

PRODUCT INFORMATION

Nutrient Broth

Cat. No. N14-103

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 APH 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 non-fastidious organisms. It is specified in many standard methods procedures for examining foods, dairy products, water and other materials.

FORMULA (g/L)

Pancreatic Digest of Gelatin	5.0 g	Beef Extract	3.0 g
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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 homogenous, free flowing and beige.
2. Visually the prepared medium is pale to light yellow and clear.
3. Expected cultural response after 18-24 hours at 35 °C.

ORGANISM	RESULT
<i>Bacillus subtilis</i> ATCC 9372	Good Growth
<i>Escherichia coli</i> ATCC 25922	Good Growth
<i>Salmonella typhimurium</i> ATCC 14028	Good Growth
<i>Staphylococcus aureus</i> ATCC 25923	Good Growth



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.

Version 01 – Date 09/25/23