

PRODUCT CODE: 413793

Nutrient Broth (Dehydrated Culture Media) for microbiology

Preparation

Suspend 8 grams of the medium in one litre of distilled water. Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution. Dispense into appropriate containers and sterilize in autoclave at 121°C for 15 minutes. The prepared medium should be stored at 2-8°C.

The colour is amber, slightly opalescent. The dehydrated medium should be homogeneous, free-flowing and beige in colour. If there are any physical changes, discard the medium.

Uses

NUTRIENT BROTH is used for the general cultivation of a wide variety of microorganisms. A liquid medium, it is produced according to the formula from APHA and AOAC and supports the growth of a great variety of microorganisms that are not very nutritionally demanding.

This medium is used in accordance with the official recommended procedures for the bacteriological analyses of water, milk, dairy products and feces of clinical samples, and as a base to prepare media supplemented with other nutrients.

Nutrient Broth is used in many laboratory procedures as it is or with added indicators, carbohydrates, organic liquids, salts, etc. Gelatin peptone and Beef extract provide nitrogen, vitamins, minerals and amino acids essential for growth. Inoculate medium with the test sample and incubate at 35 ± 2°C for 18 - 48 hours.

Composition

See in Data Sheet (TDS).

Microbiological Test

The following results were obtained in the performance of the medium from type cultures after incubation at a temperature of 35 ± 2°C and observed after 18 - 48 hours.

Microorganism	Growth
<i>Enterobacter aerogenes</i> ATCC 13048	Good
<i>Escherichia coli</i> ATCC 25922	Good
<i>Salmonella typhi</i> ATCC 6539	Good
<i>Staphylococcus epidermidis</i> ATCC 14990	Good
<i>Streptococcus pyogenes</i> ATCC 12344	Good

Storage

Once opened keep powdered medium closed to avoid hydration.

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