

Nutrient Broth No. 2

Use and description:

For the cultivation of a variety of fastidious and nonfastidious microorganisms. A general purpose broth for sterility testing of aerobic microorganisms recommended by the British Pharmacopeia.

Composition per liter:

Peptone.....10.0 g
Meat extract.....10.0 g
Sodium chloride.....5.0 g

Final pH of the ready to use medium: 7.4 ± 0.2

Medium preparation:

Add 25.0 grams of dehydrated culture medium to 1 liter of distilled water. Allow to soak for 10 minutes, swirl to mix then dispense into tubes or bottles and sterilise at 121°C for 15 minutes.

Quality specification:

Dehydrated medium: homogeneous, cream coloured fine powder.

Ready to use medium: amber coloured solution, clear without significant precipitate.

Microbiological response:

Organism	Result
<i>Escherichia coli</i> ATCC 25922	Good to excellent growth
<i>Staphylococcus aureus</i> ATCC 25923	Good growth
<i>Enterococcus faecalis</i> ATCC 29212	Good growth

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or if the color has changed from the original.