
Product Specification

Product Name: Nutrient Broth
Product Code: SG7041 / SG7202

Product Description:

Nutrient broth is used for the cultivation and enumeration of non-fastidious microorganisms in water, food, sewage, fecal and other materials. This nutrient broth contains peptic digest of animal tissue, beef extract and sodium chloride. Sodium chloride is used to maintain the osmotic balance.

Use:

Stir to suspend 18g of medium in 1L water. Mix well with heat. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool before making additions, such as antibiotics (if desired).

Components:

Peptic digest of animal tissue - 10g/L
NaCl - 5g/L
Beef Extract - 3g/L

Test Items

Specifications

Physical and Chemical Tests

Appearance (dry)	Yellowish
Appearance (in medium)	Yellowish Solution

Microbiological Tests

Expected Results

<i>Staphylococcus aureus</i> (ATCC 25923)	10 – 100 CFU
<i>Listeria monocytogenes</i> (ATCC 19114)	10 – 100 CFU
<i>Escherichia coli</i> (ATCC 25922)	10 – 100 CFU
<i>Salmonella typhimurium</i> (ATCC 14028)	10 – 100 CFU

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36±1°C and observed after 18-24 hours.

Storage: 18 – 25°C (dehydrated medium), 2 – 8°C (prepared medium, avoid direct light contact)