
Product Specification

Product Name: Nutrient Agar

Product Code: SG7042 / SG7203

PRODUCT DESCRIPTION:

Nutrient agar is a culture medium allowing enumeration of organisms in water, food, sewage, fecal and other materials. Nutrient agar is suitable for the growth of different types of bacteria and fungi. Nutrient agar contains peptic digest of animal tissue, beef extract, sodium chloride and agar which are necessary ingredients for the growth of bacteria. Blood and other biological fluids can be added to enhance growth of specific microorganisms. This product is available in dehydrated and granulated form.

Use:

Stir to suspend 33.0 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool (40 – 45°C) before making additions, such as antibiotics (if desired). For laboratory use only.

Components:

Peptic digest of animal tissue – 10g/L (Approx. Peptone 5.0g/L)

NaCl – 5g/L

Beef Extract – 3g/L

Agar – 15.0g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance:	Yellowish Powder / Granules
Appearance (in medium):	Yellowish Solution
pH (@25°C):	7.3 ± 0.2
<u>Microbiological Tests</u>	
<u>Expected Results</u>	
Staphylococcus aureus (ATCC 6538)	10 – 100 CFU
Listeria monocytogenes (ATCC 19114)	10 – 100 CFU
Escherichia coli (ATCC 25922)	10 – 100 CFU
Bacillus cereus (ATCC 11778)	10 – 100 CFU
Bacillus subtilis (ATCC 6633)	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: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.