

Nutrient Agar

Product No.	Product Category	Specification
HCM007	Dehydrated Culture Medium	500g/bottle

Intended Use

For the cultivation of non-fastidious bacteria.

Principle and Interpretation

Peptone and beef extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria.

Formulation

Ingredients	/liter
Beef extract	3.0g
Peptone	5.0g
Agar	15.0g
pH7.0±0.2 at 25°C	

Preparation

Suspend 23.0 g in 1 L of distilled or deionized water. Heat with frequent agitation and boil to completely dissolve the powder. Distribute into tubes or flasks. Autoclave at 121 °C for 15 minutes.

Quality Control

Cultural characteristics observed after an incubation at 35-37°C for 24 hours

Quality control strains	Growth	Characteristics
<i>Escherichia coli</i> ATCC25922	Good, PR≥0.7	Off white colony
<i>Pseudomonas aeruginosa</i> ATCC27853		Produce green pigment
<i>Streptococcus faecalis</i> ATCC29212		Off white little colony

Storage and Shelf Life

2-30°C, Keep container tightly closed, avoid direct sunlight.

Use before expiry date on the label.

Precautions

1. When weighing the dehydrated medium, please wear masks to avoid causing respiratory system discomfort

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2. Keep container tightly closed after using to prevent clumping.

Waste Disposal

Microbiological contamination was disposed by autoclaving at 121°C for 30 minutes.

Revision

On June 14, 2024

References

FDA BAM.

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EN.ISO6579:2002. Microbiology of food and animal feeding stuffs - Horizontal method for the detection of *Salmonella* spp.

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EN ISO 6785 I IDF 93:2001. Milk and milk products - Detection of *Salmonella* spp.

EN ISO 19250:2010. Water quality - Detection of *Salmonella* spp.

EN ISO 10272:2003. Microbiology of food and animal feeding stuffs - Horizontal method for the detection of presumptive pathogenic *Yersinia enterocolitica*.

EN ISO 21528-2004. Microbiology of food and animal feeding stuffs - Horizontal methods for the detection and enumeration of Enterobacteriaceae - Part 2: Colony-count method.

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