

TECHNICAL DATA SHEET

Nutrient Broth (Veg)

Principle

Nutrient Veg broth is basic medium used for cultivation and maintenance of fastidious microorganisms, by enriching with serum or blood and are also used for purity checking prior to biochemical or serological testing. Nutrient Veg broth is composed of vegetable peptones to avoid Transmissible Spongiform Encephalopathy and Bovine Spongiform Encephalopathy risk associated with animal peptone. It is consisting of Veg peptone, Veg extract and yeast extract provide the necessary nitrogen compounds, carbon, vitamins and also some trace ingredients necessary for the growth of bacteria. Sodium chloride maintains the osmotic equilibrium of the medium. The media can be fortified with different biological fluids such as horse or sheep blood, serum; egg yolk etc. makes it suitable for the cultivation of related fastidious organisms.

Use: For the general cultivation of less fastidious microorganisms, can be enriched with blood.

Contents*

Ingredients	Gram/Litre
Veg Peptone	5.00
Sodium Chloride	5.00
Veg Extract	1.50
Yeast Extract	1.50
pH at 25°C	7.4 ±0.2

* Formula adjusted for optimum performance and parameters

Directions: Dissolve 13.00 grams in 1000 ml distilled water. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 min, cool it to 42-45 °C. If desired, the medium can be enriched with 5-10% blood or other biological fluids.

Specimens' types analyzed

Pharmaceutical samples, clinical and non-clinical samples, food and dairy products etc.

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com



Precautions to be taken

These microbial media are intended for the in-vitro use only. All the handling, experiments, storage, and discarding should be performed with the help of skilled and knowledgeable technicians and as per the established guidelines. The material should be disposed only after proper sterilization by autoclaving. Please go through the MSDS of the media to avoid any accidents or in emergency.

Performance and Evaluation

The expected performance of the medium is liable to use as per the direction on the label when stored at optimum conditions and within expiry date.

Quality Control

Appearance	Light beige colored free flowing, homogeneous powder
Reaction of 1.3 % solution	7.4±0.2 at 25 °C
pH	7.20- 7.60
Color and clarity of ready medium	Light amber colored opalescent solution
Negative control	Performed using sterile distilled water

Different Microbial Response: Cultural characteristics observed after incubation at 33-37°C for 18-24 hours.

Organism	ATCC	Inoculum (CFU)	Growth
<i>Escherichia coli</i>	8739	50-100	Luxuriant
<i>Escherichia coli</i>	25922	50-100	Luxuriant
<i>Klebsiella aerogenes</i>	13048	50-100	Luxuriant
<i>Salmonella typhimurium</i>	14028	50-100	Luxuriant
<i>Bacillus spizizenii</i>	6633	50-100	Luxuriant
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant
<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
info@oxfordlabchem.com
Web: www.oxfordlabchem.com



Storage and Shelf Life: The product is highly hygroscopic; keep the container tightly closed at all times and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label. Note: Sterilize media immediately after reconstitution.

Disposal: To avoid the contamination or propagation of any hazardous microbes the used, unusable or modified preparation of this product must be disposed after autoclaving after completion of task.

Reference

1. Atlas, R. M. (2005). *Handbook of media for environmental microbiology*. CRC press.
2. American Public Health Association, (1978) *Standard Methods for the Examination of Dairy Products*, 14th Ed., Washington D.C.
3. Baird R.B., Eaton A.D., and Rice E.W., (Eds.), (2015), *Standard Methods for the Examination of Water and Wastewater*, 23rd Ed., APHA, Washington, D.C.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

Oxford Lab Fine Chem LLP makes no representations or warranties, either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Oxford Lab Fine Chem LLP will not be responsible for damages resulting from use of or reliance upon this information.