

TM 866 - STANDARD NUTRIENT BROTH NO.1

INTENDED USE

For cultivation of fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Nutrient media are basic culture media used for maintaining microorganisms, for purity checking prior to biochemical or serological testing. The Peptone special, incorporated in this broth is an enzymatic protein digest of animal tissue especially adapted for the preparation of media for culturing fastidious bacteria.

COMPOSITION

Ingredients	Gms / Ltr
Peptone, special	15.000
Yeast extract	3.000
Sodium chloride	6.000
Dextrose	1.000

PRINCIPLE

The peptone and yeast extract provides nitrogenous compounds, carbon, sulphur, trace ingredients. Sodium chloride maintains the osmotic equilibrium. Addition of different biological fluids such as horse or sheep blood, serum, egg yolk etc. makes it suitable for the cultivation of related fastidious organisms.

INSTRUCTION FOR USE

- Dissolve 25 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Dispense and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium : Light amber coloured clear solution in tubes.
pH (at 25°C) : 7.5±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Escherichia coli</i>	25922	50-100	Good-luxuriant	35 - 37°C	18-48 Hours

<i>Erysipelothrix rhusiopathiae</i>	19414	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Listeria monocytogenes</i>	19111	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Streptococcus pneumoniae</i>	6303	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Streptococcus pyogenes</i>	19615	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Shigella flexneri</i>	12022	50-100	Good-luxuriant	35 - 37°C	18-48 Hours

PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Lapage S., Shelton J. and Mitchell T., 1970, Methods in Microbiology, Norris J. and Ribbons D.(Eds.), Vol. 3A., Academic Press, London.
2. MacFaddin J., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.



 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedWet GmbH Buckenhof 10 48163 Aachen, Germany</small>	 European Conformity	 QR Code	 Consults instructions for Use	 Best Before

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
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