

1505V - VEG.PEPTONE-TBL (Culture Media Ingredient)

INTENDED USE

Veg. Peptone-TBL used in the preparation of culture media employed for cultivation of a wide variety of microorganisms

PRODUCT SUMMARY AND EXPLANATION

Veg. Peptone-TBL is used in preparing microbiological culture media and in producing bacterial toxins and also usable in synthetic media in acclimatization of microorganisms in bioreactor studies. It's support to growth of Staphylococci, Streptococci, Pneumococci and also suitable for isolating and cultivating Haemophilus and Neisseria. It is Light yellowish to brownish yellow colour, free flowing powder having characteristic odour but not pungent smell. It is completely soluble in distilled Water, Clear. Insoluble in alcohol

PRINCIPLE

Veg. Peptone-TBL is enzymatic digest of protein used in preparing microbiological culture media and in producing bacterial toxins. Proteose peptone provides nitrogen in a form that is readily available for bacterial growth. It is superior in nutritious of fastidious microorganism.

INSTRUCTION FOR USE

Veg. Peptone-TBL is used in media for the production of bacterial toxins. It is used in preparing chocolate agar for propagating of Neisseria species. It is also used for the cultivation of bacteria with high nutritional requirements, as for example Haemophilus, Salmonella, staphylococcus etc. species.

QUALITY CONTROL SPECIFICATIONS

Appearance	:	Light yellowish to brownish yellow colour, free flowing powder having characteristic odour but not pungent smell
Solubility (2% soln. at 25°C)	:	Completely soluble in distilled Water, Clear.
Clarity (2% Soln. at 121°C)	:	Absolute clear solution. No ppt.
pH (2% Soln. at 25°C)	:	5.0 – 7.0
Loss on drying (at 105°C)	:	NMT – 5.0%
Total Nitrogen (DWB)	:	NLT – 11.0%
α-Amino Nitrogen	:	NLT – 2.0%
Total Ash	:	NMT – 15.0%
Chloride (as NaCl)	:	NMT – 5.0%
Microbial Test	:	Passes Test

INTERPRETATION

Cultural Characteristic observed in 2% Veg. Peptone TBL and 1.5% agar after incubation at 35-37°C for 18-24 hours.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery
<i>Staphylococcus aureus</i>	25923	50-100	Good - Luxuriant	NLT- 70%
<i>Escherichia coli</i>	25922	50-100	Good - Luxuriant	NLT- 70%
<i>Pseudomonas aeruginosa</i>	27853	50-100	Good - Luxuriant	NLT- 70%
<i>Bacillus subtilis</i>	6633	50-100	Good - Luxuriant	NLT- 70%
<i>Salmonella typhi</i>	6539	50-100	Good - Luxuriant	NLT- 70%
<i>Streptococcus pyogenes</i>	19615	50-100	Good - Luxuriant	NLT- 70%



PACKAGING:

Standard packing is 500gm in plastic bottle. After packing tightly closed in a dry and well-ventilated place.

STORAGE

Keep plastic bottle tightly closed in a dry and well-ventilated place, Store in cool place. Use before expiry date on label. On opening, product should be properly stored in dry ventilated area protected from extremes of temperature and sources of ignition. Seal the plastic bottle after use.

Product Deterioration: Do not use product if any contamination, discoloration or other sign of deterioration is found.

DISPOSAL

After use, contact a licensed professional waste disposal service to dispose of this material. Dispose of as unused product.

REFERENCES

1. Kirkbride, Berthelsen and Clark. 1931. Comparative studies of infusion and infusion-free diphtheria toxin in antitoxin production and in standardization by the flocculation, subcutaneous, and intracutaneous tests. J. Immunol. 21:1-20.
2. Hazen and Heller. 1931. Further studies upon the effect of various carbohydrates on production of diphtheria toxin with special reference to its flocculating titer and final pH. J. Bacteriol. 23:195-209.

QTY.

Quantity

LOT/
B. NO.

Lot / Batch Number



Temperature Unit



Best Before



QR
Code

REF

Catalogue No.



Consults Instructions for use :



Manufacturer

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

***For Lab Use Only**
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