



Tryptose Phosphate Broth, HiVeg™

MV093

Intended use

Sfdpn n foefe for cultivation of fastidious bacteria from clinical and non-clinical samples.!

Ingredients	Gms / Litre
I jWfh !i zespnz tbuf!Op!2	20.000
Dextrose	2.000
Sodium chloride	5.000
Disodium phosphate	2.500
Final pH (at 25°C)	7.3±0.2

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 29.5 grams in 1000 ml purified / distilled water. Add 0.1% agar, if desired. Heat if necessary to dissolve the medium completely. Dispense in tubes or flasks as desired. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.!

Principle And Interpretation

Tryptose Phosphate Broth is prepared as recommended by APHA (1) for the cultivation of fastidious! aerobic bacterial! ftqfjdbmz!Tusfqupddvt!tqfdjft!Mjtufsjb!boe!qbu i phfojd!Ofjttfsjb!tqfdjft!Ju!jt!bntp!vtfe!gps!boujcpjuid!tfojtjujwju!luf tujoh!cz! uvcf! n fui pe!)6*/!Uijt! n fejn n! xju i !ui f!beejujpo!pg!bhbs!boe!tpejv n !b!jef!jt!vtfe!gps!ui f!jtpmbujpo!pg!qbu i phfojd!Tusfqupddj! Ofjttfsjb!boe!pui fs!gbtuejpv!t! n jdsppshbojt n t!gsp n !c!mppe!-lebsz!qspevdu!t!)7*!boe!dmjojdbm!tqfdj n fot!Uszquptf!Qiptqibuf! Cspui !xju i!bee!fbhbs!d!bo!bntp!cf!vtfe!gps!f n vmtjgdbujpo!pg!di f!ft!cf!gps!f!jtpmbujpo!pg!Csvdfmb!tqfdjft!)2*!boe!jt!bntp! sfdpn n foefe!cz!Ejhboptujd!Qspdfevsft!boe!Sfbhfout!)3*/!Uszquptf!Qiptqibuf!Cspui -! I jWfh !jt!tb n f!bt!Uszquptf! Qiptqibuf!Cspui !fydfqu!ui bu!ui f!boj n bml!cbtfe!qfqupof!t!bsf!dp n qmfufnz!sfqmbdfe! xju i !wfhfubcmf!qfqupof!t!up!bwpje!ui f!CTF0 UTF!s!jt!t!bt!tpdjbufe! xju i !boj n bml!qfqupof!t/ Uif!jodmvtjpo!pg! I jWfh !i zespnz tbuf!Op!2!bt!ojusphfo!tpvsdf!t! n bl ft!uijt! n fejn n !ijh!mz!ovusjujpv!t!Efyusptf!t!fswft!bt!ui f! tpsvdf!pg!gfs n foubcmf!dbscpi zesbuf!Tpejv n !di mpsjef! n bjoubjot!pt n pujd!frvjncsjv n !Qiptqibuf!t!bmu! i fmqt!jo!cvggfsjoh!ui f! n fejn n !Uif!beejujpo!pg!1/2.1/3!&!bhbs!up!NW1 : 4!gbdjnjubuf!t!bobf!spcjd!hsp xui !boe!bjet!jo!ejtqfstjpo!pg!sfevdjoh!tvctubodft! boe!dbscpo!ejpyjef!gps n fe!jo!ui f!fowjspo n fou!)6*/ Gps!c!mppe!ldv!mvsf! xps! !bt!fqujdbmz!bee!21! n!m!pg!tufsjnf!ef!gjesjobufe!c!mppe!up!261! n!m!pg!tufsjnf! n fejn n !jo!411! n!m!Fsmfon fzf!s! gmbt! !Jodvcbuf!boe!tvc!dvmvsf!po!pui fs! n fejb!

Type of specimen

Clinical samples - Blood; Food and dairy samples

Specimen Collection and Handling

For clinical samples follow appropriate techniques for handling specimens as per established guidelines (3,4). For food and dairy samples, follow appropriate techniques for sample collection and processing as per guidelines (1,2,6). After use, contaminated materials must be sterilized by autoclaving before discarding.

Warning and Precautions :

In Vitro diagnostic Use. Read the label before opening the container. Wear protective gloves/protective clothing/eye protection/ face protection. Follow good microbiological lab practices while handling specimens and culture. Standard precautions as per established guidelines should be followed while handling clinical specimens. Safety guidelines may be referred in individual safety data sheets.

Limitations :

1. Due to nutritional variations, certain strains may show poor growth.
2. Further confirmation must be carried out by biochemical test.

Performance and Evaluation

Performance of the medium is expected when used as per the direction on the label within the!fyqjsz!qfsje! x i fo!tupsfe!bu! recommended temperature.

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Colour and Clarity of prepared medium

Yellow coloured clear solution without any precipitate.

Reaction

Reaction of 2.95% w/v aqueous solution at 25°C. pH : 7.3±0.2

pH

7.10-7.50

Cultural Response

M093: Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours.

Organism	Inoculum (CFU)	Growth
Cultural Response <i>Neisseria meningitidis</i> ATCC 50-100 13090		good-luxuriant
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> ATCC 25923 (00034*)	50-100	good-luxuriant
<i>Streptococcus pneumoniae</i> ATCC 6303	50-100	good-luxuriant
<i>Streptococcus pyogenes</i> ATCC 19615	50-100	good-luxuriant
<i>Staphylococcus epidermidis</i> ATCC 12228 (00036*)	50-100	good-luxuriant

Key : *Corresponding WDCM numbers.

Storage and Shelf Life

Store between 10-30°C in a tightly closed container and the prepared medium at 15-25°C. Use before expiry date on the label. On opening, product should be properly stored dry, after tightly capping the bottle in order to prevent lump formation due to the hygroscopic nature of the product. Improper storage of the product may lead to lump formation. Store in dry ventilated area protected from extremes of temperature and sources of ignition Seal the container tightly after use. Use before expiry date on the label. Product performance is best if used within stated expiry period.

Disposal

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques (3,4).

Reference

1. American Public Health Association, Standard Methods for the Examination of Dairy Products, 1978, 14th Ed., Washington D.C.
2. American Public Health Association, 1953, Diagnostic Procedures and Reagents, 4th ed., APHA Inc., New York.
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
4. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
5. MacFaddin J., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.
6. Newman R.W., 1950, J. Milk Food, Tech., 13 : 226.

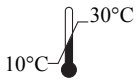
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In vitro diagnostic medical device



CE Marking



Storage temperature



Do not use if package is damaged



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