TM 888 – TRYPTIC DIGEST BROTH (FIELD'S TRYPTIC DIGEST BROTH)

INTENDED USE

For cultivation of fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Infusion based media are routinely employed for the cultivation of fastidious organisms. These media suffice complex nutritional requirements of most of the organisms. Field formulated Tryptic Digest Broth for cultivation of fastidious microorganisms. Supplementation of the medium with serum, blood or ascitic fluid, it supports the growth of fastidious organisms such as, *Neisseria meningitides*, *Haemophilus influenzae*, *Streptococcus pneumoniae* etc. Shepard et al described its use for culturing *Streptococcus pneumoniae* and *Actinomycetes*.

COMPOSITION

Ingredients	Gms / Ltr
Tryptic digest of beef heart	10.000
Sodium chloride	5.000
Dextrose (Glucose)	1.000

PRINCIPLE

Tryptic digest of beef heart provides carbonaceous and nitrogenous compounds and other essential growth nutrients for growth of fastidious microorganisms. Blood serum or ascetic fluid provides additional growth factors.

INSTRUCTION FOR USE

- Dissolve 16.0 grams in 1000 ml purified/distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool below 45-50°C and aseptically add sterile enrichment such as blood, serum or ascetic fluid as required.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to light yellow homogeneous free flowing powder.
Appearance of prepared medium	: Basal Medium: Light yellow coloured clear solution. After addition of blood, cherry red coloured and with added serum or ascitic fluid, dark yellow coloured, opaque or clear to slightly opalescent solution respectively.
pH (at 25°C)	: 7.6±0.2

INTERPRETATION

Cultural characteristics observed after incubation with added blood, serum or ascetic fliud.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Bordetella pertussis	8467	50-100	Luxuriant	35-37°C	24-48 Hours

Haemophilus influenzae	35056	50-100	Luxuriant	35-37°C	24-48 Hours
Neisseria meningitidis	13090	50-100	Luxuriant	35-37°C	24-48 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Luxuriant	35-37°C	24-48 Hours
Streptococcus pneumoniae	6303	50-100	Luxuriant	35-37°C	24-48 Hours
Streptococcus pyogenes	19615	50-100	Luxuriant	35-37°C	24-48 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. Atlas R. M., 2004, Handbook of Microbiological Media, Lawrence C. Parks (Ed.), 3rd Edition, CRC Press.
2. Field V. J., 1956, SAB Newsletter, 22:8.
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. Shepard M. C. and Lunceford C. D., 1976, J. Clin. Microbiol., 3:613.1

GMP Good Manufacturing Practices Certified
IVD For In Vitro Diagnostic Use
QTY. Quantity
LOT/ B. NO. Lot / Batch Number
REF Catalogue Number
Manufacturer
Temprature Unit
EC REP MedNet GmbH Borkstrasse 10, 48163 Muenster, Germany Authorized Representative
CE 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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