

TM 861 – TRYPTONE SOYA BROTH W/ YEAST EXTRACT AND HEMIN (SOYA CASEIN DIGEST MEDIUM W/ YEAST EXTRACT AND HEMIN)

INTENDED USE

For excellent growth of fastidious microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Casein Digest Medium with Yeast Extract and Hemin is prepared according to the formulation of USP. It is a highly nutritious medium for cultivating fastidious bacteria. It can also be used as general, all-purpose cultivation medium.

COMPOSITION

Ingredients	Gms / Ltr
Casein enzymic hydrolysate	17.000
Papaic digest of soyabean meal	3.000
Sodium chloride	5.000
Dibasic potassium phosphate	2.500
Yeast extract	5.000
Hemin	0.020

PRINCIPLE

The medium contains casein enzymic hydrolysate, papaic digest of soyabean meal and yeast extract supply nitrogenous and carbonaceous nutrients, trace ingredients and vitamin B complex for the growth of microorganisms. Hemin provides additional growth factors. Dipotassium phosphate maintains buffering conditions in the medium.

INSTRUCTION FOR USE

- Suspend 32.52 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium	: Light yellow coloured clear solution without any precipitate
pH (at 25°C)	: 7.3±0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU)	Growth	Incubation Temperature	Incubation Period
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<i>Bordetella pertussis</i>	8467	50-100	Luxuriant	35 - 37°C	18-24 Hours
<i>Neisseria meningitidi</i>	13090	50-100	Luxuriant	35 - 37°C	18-24 Hours
<i>Streptococcus pyogenes</i>	19615	50-100	Luxuriant	35 - 37°C	18-24 Hours

PACKAGING:

In pack size of 100 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. The United States Pharmacopeia, 1980, XX Revision, United States Pharmacopeial Convention, Rockville, Md.
2. MacFaddin J.F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore.
3. Mashimo P. A. and Ellison S A., 1959, J. Bacteriol., 78:636.

 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 MedNet GmbH Borkstrasse 10, 48163 Münster, Germany	 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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