

TM 2388 – TRYPTONE SOYA BROTH W/ 0.1% AGAR (SOYABEAN CASEIN DIGEST MEDIUM WITH 0.1% AGAR)

INTENDED USE

For cultivation of anaerobes from root canals, blood and other specimens.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Casein Digest Medium with 0.1% Agar is used for culturing organisms especially anaerobes from root canals, blood and other clinical samples. Inclusion of agar to this medium is useful for isolating anaerobic oral *Vibrio's* and also anaerobic organisms causing nasal sinusitis.

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
Dextrose	2.500
Agar	1.000

PRINCIPLE

Casein enzymic hydrolysate and papaic digest of soyabean meal supplies nitrogenous and carbonaceous compounds, trace minerals etc. Dextrose serves as a source of fermentable carbohydrate for the energy production. Sodium chloride maintains osmotic balance while Dipotassium phosphate provides buffering capacity. Small percentage of agar helps in creating moderately anaerobic condition in the depth of the medium.

INSTRUCTION FOR USE

- Suspend 31 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Dispense as desired 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 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>Bacteroides fragilis</i>	25285	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Clostridium perfringens</i>	12924	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Neisseria meningitidis</i>	13090	50-100	Good-luxuriant	35 - 37°C	18-48 Hours
<i>Staphylococcus epidermidis</i>	12228	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

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. Mashimo and Ellison, 1959, J. Bact., 78:636.
2. Fredette, Anger and Forget, 1961, Can. Med. Assoc. J., 84:164.



 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>MedNet GmbH Buckstrasse 10 48163 Muenster, 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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