

TMV 419 – TRYPTONE SOYA BROTH (SOYA CASEIN DIGEST MEDIUM) (as per IP) (VEG.)

INTENDED USE

For cultivation of various microorganisms and sterility testing of molds and bacteria.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Veg Medium is prepared by completely replacing animal based peptones with vegetable peptones that makes the medium free of BSE/TSE risks. It is the modification of Soyabean Casein Digest Medium recommended by various pharmacopeias for sterility testing of various products and sensitivity testing of antimicrobial agents by tube dilution method. This is a very nutritious medium supporting the growth of a variety of organisms.

COMPOSITION

Ingredients	Gms / Ltr
Veg hydrolysate	17.000
Papaic digest of soyabean meal	3.000
Sodium chloride	5.000
Dextrose (Glucose)	2.500
Dipotassium hydrogen phosphate	2.500

PRINCIPLE

Casein enzymic hydrolysate and peptic digest of animal tissue provide the necessary nutrients to the organisms. Sodium chloride maintains osmotic equilibrium while magnesium sulphate enhances maximum recovery of the coliform bacteria on membrane filters. For *E. coli* / coliform counts place HGMF on surface of pre-dried Tryptone Soya Agar with Magnesium Sulphate. Incubate at 25°C for 4-5 hours for dry foods and 4-5 hrs at 35°C for all other foods. The membrane is placed on the surface of other differential / selective medium after pre-incubation on TSAM, to enable detection of coliforms.

INSTRUCTION FOR USE

- Suspend 30.0 grams in 1000 ml purified/ distilled water.
- Heat if necessary to dissolve the medium completely.
- Mix well and dispense in tubes or flasks as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to 25°C.

Note: If any fibres are observed in the solution, it is recommended to filter the solution through a 0.22 micron filter to eliminate the possibility of presence of fibres.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Light 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
<i>Salmonella Typhimurium</i>	14028	50 -100	Luxuriant	30 -35 °C	18-24 Hours
<i>Pseudomonas aeruginosa</i>	9027	50 -100	Luxuriant	30 -35 °C	18-24 Hours
<i>Streptococcus pneumoniae</i>	6305	50 -100	Luxuriant	30 -35 °C	18-24 Hours
<i>Staphylococcus aureus</i>	6538	50 -100	Luxuriant	30 -35 °C	18-24 Hours
<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	30 -35 °C	18-24 Hours
<i>Escherichia coli</i>	25922	50 -100	Luxuriant	30 -35 °C	18-24 Hours
<i>Aspergillus brasiliensis</i>	16404	10 -100	Luxuriant	20 -25 °C	<=5 Days
<i>Candida albicans</i>	10231	10-100	Luxuriant	20 -25 °C	<=5 Days
<i>Candida albicans</i>	2091	10-100	Luxuriant	20 -25 °C	<=5 Days
<i>Pseudomonas aeruginosa</i>	9027	50 -100	Luxuriant	20 -25 °C	<=3 Days
<i>Micrococcus luteus</i>	9341	50 -100	Luxuriant	20 -25 °C	<=3 Days

Sterility testing and growth promotion and validation



<i>Staphylococcus aureus</i>	25923	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Escherichia coli</i>	8739	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Escherichia coli</i>	25922	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Pseudomonas aeruginosa</i>	9027	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Pseudomonas aeruginosa</i>	27853	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Micrococcus luteus</i>	9341	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Streptococcus pneumoniae</i>	6305	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Bacillus subtilis</i>	6633	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Salmonella Typhimurium</i>	14028	50-100	Luxuriant	20-25 °C	<=3 Days
<i>Staphylococcus aureus</i>	6538	50-100	luxuriant	20-25 °C	<=3 Days

PACKAGING:

In pack size of 100 gm and 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. Official Methods of Analysis of AOAC International 16th Edition, Vol. 1, 1995.
2. .AOAC, 1983, 66:897.
3. J.AOAC, 1984, 67:812.

 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 MediNet GmbH Buckstrasse 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**
Revision: 08 Nov., 2019