

TSMVH 332 – SOYA CASEIN DIGEST MEDIUM (TRYPTONE SOYA BORTH) (CASO BROTH) (Veg.) (as per USP/EP/BP/JP/IP) (GAMMA – IRAADIATED)

INTENDED USE

For the evaluation of sterility in manufacturing processes

PRODUCT SUMMARY AND EXPLANATION

Soya Casein Digest Medium is recommended by various pharmacopeias as a sterility testing and as a microbial limit testing medium. This medium is a highly nutritious medium used for cultivation of a wide variety of organisms.

COMPOSITION

Ingredients	Gms / Ltr
Veg hydrolysate	17.000
Sodium chloride	5.000
Soya peptone	3.000
Dibasic hydrogen phosphate	2.500
Dextrose (Glucose)	2.500

PRINCIPLE

Veg. Hydrolysate and Soya peptone supports the growth of many fastidious organisms without the addition of serum etc. Glucose monohydrate serves as a carbohydrate source. Dibasic hydrogen phosphate acts as a Buffering agent respectively. Sodium chloride maintains osmotic balance of the medium.

INSTRUCTION FOR USE

1. Aseptically dissolve 30g in 1000ml sterile distilled water.
2. Gently heat to boil with gentle swirling and dissolve the medium completely.
3. Dispense medium in culture tubes as desired.
4. Cool the medium to room temperature before use.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow colour homogeneous free flowing powder.
Appearance of prepared medium : Light yellow colour, clear solution
pH (at 25°C) : 7.3±0.2

INTERPRETATION

Cultural characteristics observed after inoculation and incubation as mentioned.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Staphylococcus aureus</i>	6538	50-100	luxuriant	30 -35°C	≤3 days
<i>Staphylococcus aureus</i>	25923	50-100	luxuriant	30 -35°C	≤3 days
<i>Escherichia coli</i>	8739	50-100	luxuriant	30 -35°C	≤3 days
<i>Escherichia coli</i>	25922	50-100	luxuriant	30 -35°C	≤3 days
<i>Pseudomonas aeruginosa</i>	9027	50-100	luxuriant	30 -35°C	≤3 days
<i>Pseudomonas aeruginosa</i>	27853	50-100	luxuriant	30 -35°C	≤3 days
<i>Bacillus subtilis</i>	6633	50-100	luxuriant	30 -35°C	≤3 days
<i>Salmonella typhimurium</i>	14028	50-100	luxuriant	30 -35°C	≤3 days
<i>Klebsiella pneumoniae</i>	13813	50-100	luxuriant	30 -35°C	≤3 days
<i>Streptococcus pneumoniae</i>	6305	50-100	luxuriant	30 -35°C	≤3 days
<i>Enterococcus faecalis</i>	29212	50-100	luxuriant	30 -35°C	≤3 days
<i>Micrococcus luteus</i>	9341	50-100	luxuriant	30 -35°C	≤3 days
<i>Clostridium sporogenes</i>	19494	50-100	luxuriant	30 -35°C	≤3 days
<i>Candida albicans</i>	10231	50-100	luxuriant	20-25°C	up to 5 days

<i>Aspergillus brasiliensis</i>	16404	50-100	luxuriant	20-25°C	up to 5 days
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PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers at 10- 25 °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.

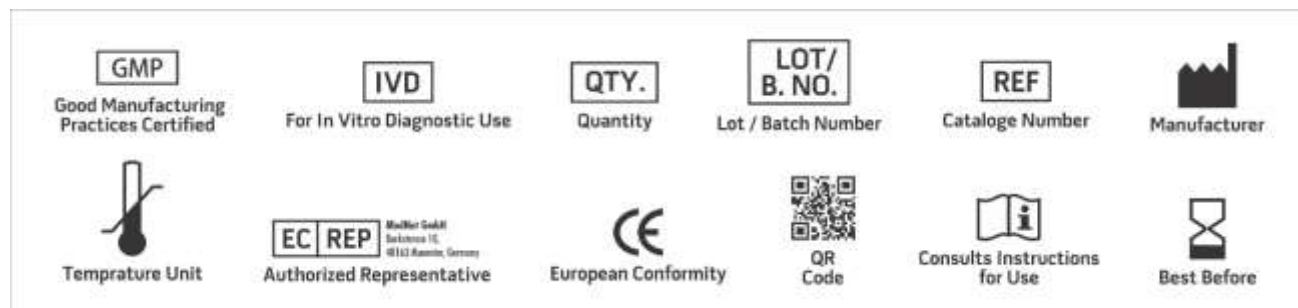
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES

1. Atlas R. M., 1993, Handbook of Microbiological Media, Parks L.C. (Ed.), CRC press, Boca Raton.
2. Forbes B. A. et al, 2002, Bailey and Scotts Diagnostic Microbiology, 11th Ed., Mosby Company, St. Louis, MO.
3. Murray P. R., Baron J. H., Pfaller M. A., Jorgensen J. H. and Tenover F. C., (Ed.), 2003, Manual of Clinical Microbiology, 8th Ed., American Society for Microbiology, Washington, D.C.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
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