TMTH 011- SOYABEAN CASEIN DIGEST MEDIUM (USP/EP/BP/JP/IP)

INTENDED USE
Sterility test media prepared in accordance with harmonized method.

PRODUCT SUMMARY AND EXPLANATION
SOYABEAN CASEIN DIGEST MEDIUM (as per USP/EP/JP/BP) for cultivation of microorganism, sterility testing of molds and bacteria. This medium is used for the sensitivity testing of antimicrobial agents by the tube dilution method. It is also employed in diagnostic research in microbiology. This medium is used as a diluent and suspending medium for preparation of samples or test strains. It is also employed in sample preparation for testing of products, wherein incubation is carried out, only to serve sufficient resuscitation of the cell, while avoiding multiplication of the organism. This medium is recommended for sterility checking and for studying total aerobic microbial count in verification of microbiological testing procedures employed for sterility checking.

COMPOSITION

Ingredients	Gms / Ltr
Pancreatic digest of casein	17.000
Sodium chloride	5.000
Papaic digest of soyabean meal	3.000
Dextrose	2.500
Dipotassium hydrogen phosphate	2.500

PRINCIPLE
The combination of pancreatic digest of casein and papaic digest of soybean meal makes this medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Natural sugars in soybean promote growth of fastidious organism. Dextrose is the fermentable source of carbon and dipotassium hydrogen phosphate serves as the buffer in the medium. Sodium chloride maintains the osmotic balance of the medium.

INSTRUCTION FOR USE
Inoculate the sample and Incubate at specified temperature and time.

QUALITY CONTROL SPECIFICATIONS

Appearance of prepared medium	:	Light yellow coloured clear solution
Quantity of Medium	:	9 ml and 10 ml of medium in tubes.
pH (at 25°C)	:	7.3 ± 0.2
Sterility Check	:	Passes release criteria

INTERPRETATION
Culture characteristics observed incubation period

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Growth promotion					
Staphylococcus aureus	6538	50-100	Luxuriant	30-35°C	18-24 Hours

Staphylococcus aureus	25923	50-100	Luxuriant	30-35°C	18-24 Hours
Escherichia coli	8739	50-100	Luxuriant	30-35°C	18-24 Hours
Escherichia coli	25922	50-100	Luxuriant	30-35°C	18-24 Hours
Pseudomonas aeruginosa	9027	50-100	Luxuriant	30-35°C	18-24 Hours
Pseudomonas aeruginosa	27853	50-100	Luxuriant	30-35°C	18-24 Hours
Bacillus subtilis	6633	50-100	Luxuriant	30-35°C	18-24 Hours
Salmonella typhimurium	14028	50-100	Luxuriant	30-35°C	18-24 Hours
Micrococcus luteus	9341	50-100	Luxuriant	30-25°C	18-24 Hours
Streptococcus pneumoniae	6305	50-100	Luxuriant	30-35°C	18-24 Hours
Candida albicans	10231	50-100	Luxuriant	30-35°C	<=5 Days
Candida albicans	2091	50-100	Luxuriant	30-35°C	<=5 Days
#Aspergillus brasiliensis	16404	50-100	Luxuriant	30-35°C	<=5 Days
Sterility Testing (Growth promotion+ Validation					
Staphylococcus aureus	6538	50-100	Luxuriant	20-25°C	<=3 Days
Staphylococcus aureus	25923	50-100	Luxuriant	20-25°C	<=3 Days
Escherichia coli	8739	50-100	Luxuriant	20-25°C	<=3 Days
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#Formerly Known as *Aspergillus niger*

PACKAGING:

Pack of 25 Ready-To-Use Liquid Medium tubes containing 9 ml and 10 ml in each tube.
Pack of 50 Ready-To-Use Liquid Medium tubes containing 9 ml and 10 ml in each tube.

STORAGE

On receipt, store tubes in the dark at 10-25 °C. Avoid freezing and overheating. Do not open until ready to use. Minimize exposure to light. Tubed media stored as labeled until just prior to use may be inoculated up to the expiration date and incubated for the recommended incubation times. Allow the medium to warm to room temperature before inoculation.

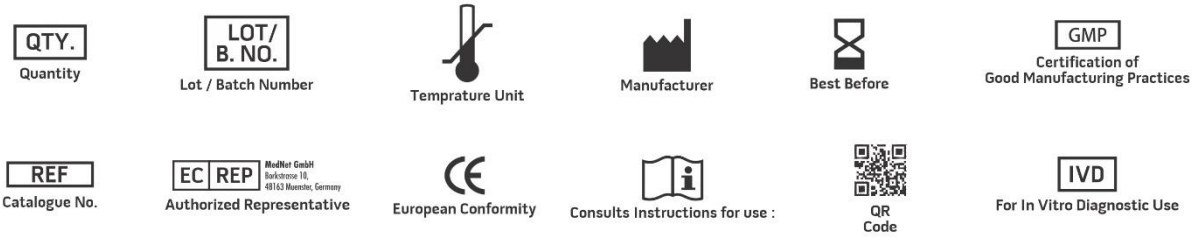
DISPOSAL

User must ensure safe disposal by autoclaving and/or incineration of used or unusable preparations of this product. Follow established laboratory procedures in disposing of infectious materials and material that comes into contact with clinical sample must be decontaminated and disposed of in accordance with current laboratory techniques.

REFERENCES

1. The United States Pharmacopoeia, 2011, The United States Pharmacopoeial Convention. Rockville, MD.
2. British Pharmacopoeia, 2011, The Stationery office British Pharmacopoeia.

3. European Pharmacopoeia, 2011, European Dept. for the quality of Medicines.
4. Japanese Pharmacopoeia, 2008.
5. Indian Pharmacopoeia, 2007, Govt. of India, the controller of Publication, Delhi, India



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

***For Lab Use Only**

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