TM 1536 – FLUID CASEIN DIGEST SOYA-LECITHIN POLYSORBATE 20 MEDIUM (DOUBLE PACK) (as per USP/IP)

INTENDED USE
For sanitary testing of surfaces.

PRODUCT SUMMARY AND EXPLANATION
Fluid Casein Digest Soy Lecithin-Polysorbate 20 Medium is recommended for sanitary examination of surfaces. Weber and Black had described the importance of a highly nutritional medium containing the neutralizing agents for quaternary ammonium compounds. This medium is also recommended by NASA for the microbiological sampling of environmental surfaces sanitized with quaternary ammonium compounds.

COMPOSITION

Ingredients	Gms / Ltr
Part I	
Pancreatic digest of casein	20.000
Soya lecithin	5.000
Part II	
Polysorbate 20	40.000

PRINCIPLE
The medium consists of pancreatic digest of casein which provide the necessary nutrients for the growth of the organisms. Soy lecithin neutralizes the quaternary ammonium compounds while Polysorbate 20 neutralizes phenolic disinfectants, hexachlorophene and formalin.

INSTRUCTION FOR USE
- Dissolve 25.0 grams of Part I in 960 ml purified / distilled water.
- Heat if necessary to dissolve the medium completely.
- Add 40 ml of Part II. Mix well and dispense into tubes or flasks or as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Part I : Cream to yellow homogeneous free flowing powder Part II : Colourless to yellow viscous liquid.

Appearance of prepared medium : Yellow coloured, clear solution.

pH (at 25°C) : 7.3 ± 0.2

INTERPRETATION
Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period

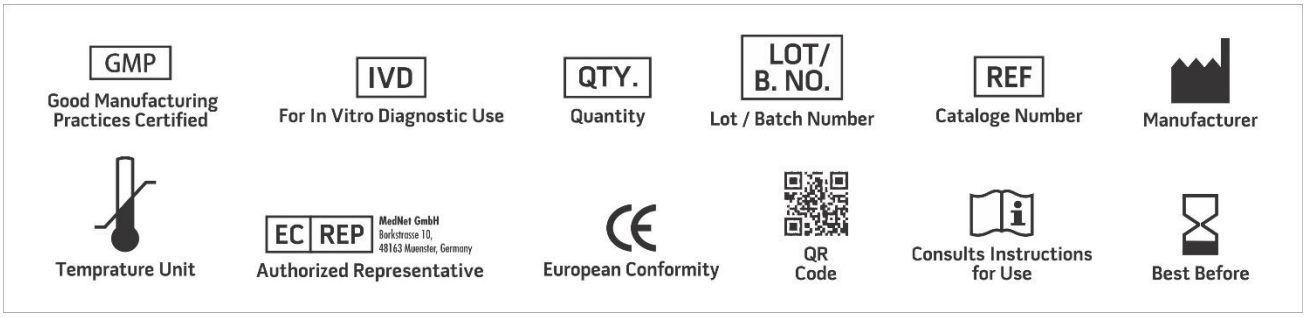
Candida albicans	10231	10-100	Good-luxuriant	25-30°C	24-48 Hours
Bacillus subtilis	6633	50-100	Good-luxuriant	35-37°C	18-24 Hours
Escherichia coli	25922	50-100	Good-luxuriant	35-37°C	18-24 Hours
Escherichia coli	8739	50-100	Good-luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus	25923	50-100	Good-luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus	6538	50-100	Good-luxuriant	35-37°C	18-24 Hours

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. United States Pharmacopoeia, 2009, U.S. Pharmacopoeial Convention, Inc., Rockville, MD.
2. Weber and Black, 1948, Soap and Sanitary Chemicals, 24:134.
3. Weber and Black, 1948, Am. J. Public Health, 38:1405.
4. Favero (chm.), 1967, Microbiological Sampling of Surfaces, Biological Contamination Control Committee, American Asso. for Contamination Control.
5. National Aeronautics and Space Administration, 1966, Standard Procedures for the Microbiological Examination of Space Hardware.



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

***For Lab Use Only**

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