



Product Data Sheet

FLUID CASEIN DIGEST SOYA LECITHIN MEDIUM (DOUBLE PACK)

Product No. GB-DCM-00214-1A

INTENDED USE

For sanitary testing of surfaces.

PRODUCT SUMMARY

Fluid Casein Digest Soya Lecithin Medium is recommended by USP for use in Microbial Limit Tests and by the Indian Pharmacopeia for sanitary examination of surfaces. Weber and Black had described the importance of a highly nutritional medium containing neutralizing agents for neutralizing quaternary ammonium compounds. This medium is also recommended by NASA for the microbiological sampling of environmental surfaces sanitized with quaternary ammonium compounds. It is further recommended for microbiological examination of food products, nutritional and dietary supplements.

Product Specifications

Ingredients	Gms / Ltr
Part I	
Tryptone	20.000
Soya lecithin	5.000
Part II	
Polysorbate 20 (Tween 20)	40.000

PRINCIPLE

The medium consists of Tryptone, which provides necessary nutrients for the growth of the organisms. Soya 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 sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45-50°C. Mix well and dispense into tubes or flasks as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder:	Part I : Cream to yellow homogeneous free flowing powder Part II : Colourless clear viscous liquid..
Appearance of prepared medium:	Yellow coloured, clear solution without any precipitate.
pH (at 25°C) :	7.3±0.2

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Candida albicans	10231	50-100	Good-luxuriant	35-37°C	18-24 Hours
Bacillus subtilis subsp. spizizenii	6633	50-100	Good-luxuriant	35-37°C	18-24 Hours
Escherichia coli	25922	50-100	Good-luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Good-luxuriant	35-37°C	18-24 Hours
Salmonella Typhi	6539	50-100	Good-luxuriant	35-37°C	18-24 Hours
Staphylococcus aureus	6538	50-100	Good-luxuriant	35-37°C	18-24 Hours

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.

This product is for research use only.