

TM 1929 - SOYBEAN CASEIN DIGEST MEDIUM W/ BCP (TRYPTONE SOYA BROTH W/BCP)

INTENDED USE

For cultivation of wide variety of microorganisms. With the addition of carbohydrates, it can also be used for fermentation studies.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Casein Digest Medium is a nutritious medium that will support the growth of a wide variety of microorganisms, including common aerobic, facultative and anaerobic bacteria and fungi. It can also be used as a general, all purpose cultivation medium. When tested for the growth of organisms in presence of indicator like bromocresol purple, the colour of the medium changes from purple to yellow. With the addition of carbohydrates, it can be also used for the fermentation studies of fastidious and non-fastidious organisms.

COMPOSITION

Ingredients	Gms / Ltr
Pancreatic digest of casein	17.000
Papaic digest of soyabean meal	3.000
Sodium chloride	5.000
Dibasic potassium phosphate	2.500
Dextrose	2.500
Bromocresol purple	0.010

PRINCIPLE

Pancreatic digest of casein and papaic digest of soybean meal provides necessary amino acids and other complex nitrogenous substances. Dextrose serves as an energy source. Sodium chloride maintains the osmotic equilibrium. Dibasic potassium phosphate acts as a buffer to control pH.

INSTRUCTION FOR USE

- Dissolve 30.01 grams of medium in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Light yellow to pale green homogeneous free flowing powder.
Appearance of prepared medium : Purple coloured clear solution without any precipitate.
pH (at 25°C) : 7.3±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Color of the colony	Incubation Temperature	Incubation Period



<i>Candida albicans</i>	10231	10-100	Luxuriant	Yellow	20-25°C	2-7 days
<i>Staphylococcus aureus</i>	25923	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours
<i>Escherichia coli</i>	25922	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours
<i>Bacillus subtilis</i>	6633	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours

PACKAGING:

In pack size of 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. MacFaddin. 1985. Media for isolation-cultivation-identification-maintenance of medical bacteria, vol. 1. Williams & Wilkins, Baltimore, Md.
2. Marshall (ed.). 1993. Standard methods for the examination of dairy products, 16th ed. American Public Health Association, Washington, D.C.
3. Forbes, Sahm and Weissfeld. 1998. Bailey & Scotts diagnostic microbiology, 10th ed. Mosby, Inc. St. Louis, Mo.
4. Fredette and Forget. 1961. The sensitivity of several media to small inocula. Extract from a paper presented at the Canadian Society of Microbiology Annual Meeting, June 12-15. Kingston, Ontario, Canada.

 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	 CE 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**
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