

CM00018 – SOYA CASEIN DIGEST MEDIUM WITH BCP

INTENDED USE

Routine use media for multiplication of large number of microorganisms with indicator with addition of sugar can be used.

PRODUCT SUMMARY AND EXPLANATION

Soyabean Casein Digest Medium with BCP is a general-purpose medium used for the cultivation of a wide variety of microorganisms. With the addition of carbohydrates it can be also used for the fermentation studies.

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

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 (1-4). 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. 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

Suspend 30.1 grams in 1000 ml distilled water.
 Heat if necessary to dissolve the medium completely
 Sterilize by autoclaving at 15 lbs 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 incubation.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Cultural characteristic	Incubation Temperature	Incubation Period
Staphylococcus aureus	25923	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours
Escherichia coli	25922	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours
Bacillus subtilis	6633	50-100	Good-luxuriant	Yellow	35-37°C	18-48 Hours
Candida albicans	10231	50-100	luxuriant	Yellow	20-25°C	2-7 Days

PACKAGING:

Inpacksizeof500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 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.




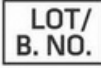








DISPOSAL

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

REFERENCES

- 1.IndianPharmacopeia, 2018, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.
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- 4.Forbes B. A., Sahm D. F. and Weissfeld A. S., 1998, Bailey & Scotts Diagnostic Microbiology, 10th Ed., Mosby, Inc. St. Louis, Mo.
- 5.Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
- 6.Jorgensen, J.H., Pfaller, M_{th}.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11 Edition. Vol. 1.



 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 <small>MedNet GmbH Buckhorn 10 48143 Münster, Germany</small>	 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 LabUse Only

