

CM 20125 - SOYA BEAN CASEIN DIGEST AGAR (TRYPTONE SOYA AGAR) (CASO AGAR) (VEG.) (as per USP)

INTENDED USE

Forenrichment and isolation of fastidious microorganisms with or without blood.

PRODUCT SUMMARY AND EXPLANATION

This medium is prepared by completely replacing animal based peptones with vegetable peptones that are free of BSE/TSE risks. Soyabean Veg Agar is the modification of Soyabean Casein Digest Agar with replacement of Casein enzymic hydrolysate by Veg hydrolysate. Soyabean Veg Agar can be used as a general purpose medium used for multiple applications e.g. as a blood culture medium, as maintenance medium for culture collections (including maintenance of stock cultures), for testing bacterial contaminants and isolating fastidious organisms on enrichment with blood. It serves as a nutritive base to which variety of supplements can be added. On supplementation with blood it can be also used to determine haemolytic bacteria. This medium can also be used for sensitivity testing by tube dilution method of antimicrobial agents, plate counting, against animal based Soyabean Casein Digest Agar. This medium is employed for cultivation and isolation of fastidious and non-fastidious microorganisms.

COMPOSITION

Ingredients	Gms / Ltr
Veg hydrolysate	15.0
Papaic digest of soyabean meal	5.0
Sodium chloride	5.0
Agar	15.0

PRINCIPLE

Veg hydrolysate and Papaic digest of soyabean meal makes this media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Sodium chloride maintains the osmotic balance in the medium.

INSTRUCTION FOR USE

Dissolve 40.0 grams in 1000 ml distilled water.

Heat to boiling to dissolve the medium completely.

Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

If desired, aseptically add 5% v/v defibrinated blood in previously cooled medium to 45-50°C for cultivation.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Light yellow coloured may have slightly greenish tinge, homogeneous, free flowing powder.
Appearance of prepared medium	: Basal Medium: Light yellow coloured clear to slightly opalescent gel. After addition of 5-7% w/v sterile defibrinated blood: Cherry red coloured opaque gel forms in Petri plates.
pH (at 25°C)	: 7.3 ± 0.2

INTERPRETATION

Cultural characteristics was observed after an incubation.



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Growth w/blood	Recovery w/ blood	Haemolysis	Incubation Temperature	Incubation Period
Bacillus subtilis	6633	50 -100	Luxuriant	>=70 %	Luxuriant	>=70 %	None	30-35°C	18-24 Hours
Bacteroides vulgatus	8482	50 -100	Luxuriant	>=70 %	Luxuriant	>=70 %	None	30-35°C	18-24 Hours
Staphylococcus aureus	25923	50 -100	Luxuriant	>=70 %	Luxuriant	>=70 %	Beta	30-35°C	18-24 Hours
Neisseria meningitidis	13090	50 -100	Good	40-50%	Luxuriant	>=70 %	None	30-35°C	18-24 Hours
Streptococcus pyogenes	19615	50 -100	Luxuriant	>=70 %	Luxuriant	>=70 %	Beta	30-35°C	18-24 Hours
Candida albicans	10231	10 -100	Luxuriant	>=70 %	Luxuriant	>=70 %	None	30-35°C	<=5days

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.




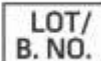








DISPOSAL

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

REFERENCES

1. MacFaddin 1985, Media for isolation-cultivation-identification-maintenance medical bacteria Vol, I, Williams, & Wilkins, Baltimore, MD.
2. Forbes BA, Sahm DF, Weissfeld AS, 2002, Bailey and Scott's Diagnostic Microbiology, 11th ed., The C.V. Mosby Co., St. Louis.



 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>Max-Mer GmbH Sankt-Albert-Str. 10 48163 Ahaus, 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

