Soyabean Casein Digest Medium VEG

Intended Use
Soyabean Casein Digest Medium VEG is a general-purpose medium used for the isolation and cultivation of a wide variety of fastidious and non-fastidious microorganisms.

Summary
Soyabean Casein Digest Medium VEG is prepared by completely replacing animal-based peptones with vegetable peptones that makes the medium free of BSE/TSE risks. It is the modification of Soyabean Casein Digest Medium recommended by various pharmacopeias for sterility testing of various products and sensitivity testing of antimicrobial agents by tube dilution method.

Principle
This is a very nutritious medium supporting the growth of a variety of organisms. The combination of vegetable hydrolysate and papaic digest of soyabean meal makes this medium nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dibasic potassium phosphate serve as the carbohydrate source and the buffer in the medium. Sodium chloride maintains the osmotic balance of the medium.

Formula*

Ingredients	g/L
Vegetable Hydrolysate	17.0
Papaic Digest of Soyabean Meal	3.0
Sodium Chloride	5.0
Dibasic Potassium Phosphate	2.5
Dextrose	2.5
Final pH (at 25°C)	7.3 ± 0.2

*Adjusted to suit performance parameters.

Storage and Stability
Store dehydrated medium below 30ºC in tightly closed container and the prepared medium at 2ºC-8ºC. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Type of Specimen
Pharmaceutical samples.

Specimen Collection and Handling
Ensure that all samples are properly labelled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions
1. Suspend 30.00 g (the equivalent weight of dehydrated medium per litre) of the powder in 1000 mL purified / distilled water.
2. Mix thoroughly.
3. Boil with frequent agitation to dissolve the powder completely. DO NOT OVERHEAT.
4. Sterilize by autoclaving at 121°C (15 psi) for 15 minutes as per validated cycle.

Quality Control
Dehydrated Appearance: Cream to yellow coloured, homogeneous, free flowing powder.
Prepared Appearance: Light yellow to amber coloured, clear solution without any precipitate.
Growth Promotion Test: Growth promotion is carried out in accordance with the harmonized method of USP/EP/JP/IP and growth is observed after an incubation at 30°C-35°C for ≤ 3 days for bacteria and ≤ 5 days for fungi.
Growth Promoting Properties: The test results observed are within the specified temperature and shortest period of time, inoculating ≤ 100 cfu (at 30°C-35°C for ≤ 3 days for bacteria and ≤ 5 days for fungi).

Growth Promoting Organism (ATCC)	Growth	Incubation Temperature
Staphylococcus aureus subsp. *aureus* (6538)	Good	30°C-35°C
Pseudomonas aeruginosa (9027)	Good	30°C-35°C
Bacillus spizizenii (6633)	Good	30°C-35°C
Candida albicans 3147 (10231)	Good	30°C-35°C
Aspergillus brasiliensis WLRI 034(120) (16404)	Good	30°C-35°C

Validation and Growth Promotion

Growth promotion is carried out at an incubation of 20°C - 25°C for ≤ 3 days for bacteria and ≤ 5 days for fungi as per USP/EP/JP/IP.

Organism (ATCC)	Growth	Incubation Temperature
Bacillus spizizenii (6633)	Good	20°C-25°C
Candida albicans 3147 (10231)	Good	20°C-25°C
Aspergillus brasiliensis WLRI 034(120) (16404)	Good	20°C-25°C

Note: Inoculum cfu for Good growth is 10 - 100

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

Warranty

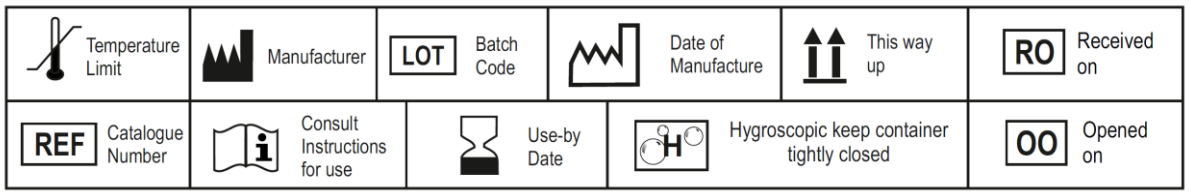
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. MacFaddin, J. F. 1985. Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria vol. 1. Baltimore: Williams and Wilkins.
2. The United States Pharmacopeia, 2008, USP31/NF26, The United States Pharmacopeial Convention, Rockville, MD.
3. Indian Pharmacopeia, 2007, Govt. of India, Ministry of Health and Family Welfare, New Delhi, India.
4. Forbes, B. A., Sahm, D. F . and Weissfield, A. S. 2002. Bailey and Scott's Diagnostic Microbiology. 11 ed. St Louis: The C.V. Mosby Co.
5. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
201190260500	Dehydrated Culture Media	500 g



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Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.