

Technical Information

Bennet's MiVeg Agar

Product Code : VM1694

Application:- Bennet's MiVeg Agar is used for cultivation and enhancement of sporulation of *Nocardia* and *Streptomyces*.

Composition

Ingredients	Gms / Litre
Yeast extract	1.0
MiVeg extract	1.0
MiVeg hydrolysate	2.0
Dextrose	10.0
Agar	15.0
Final pH (at 25°C)	7.3±0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Bennet's MiVeg Agar is prepared by vegetable peptones in place of animal based peptones thus the medium becomes BSE/TSE risks free. Developments in cultivation and selective isolation procedures have yielded information on the occurrence, distribution, number and activity of *Nocardiaceae* family members (1). This medium is the modification of the medium recommended by Jones (2) for cultivation of *Nocardiae*.

MiVeg extract, veg hydrolysate, yeast extract serve as a source of nitrogen for the growth of organism. Dextrose serves as the energy source.

Methodology

Suspend 29 grams of powder media in 1000 ml distilled water. Mix thoroughly. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 10 minutes.

Quality Control

Physical Appearance

Light yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

Gelling

Firm, comparable with 1.5% agar gel.

Colour and Clarity of prepared medium

Light yellow coloured, clear gel forms in petri plates.

Reaction

Reaction of 2.9 % w/v aqueous solution pH: 7.3±0.2 at 25°C

pH range

7.1-7.5

Cultural Response/Characteristics

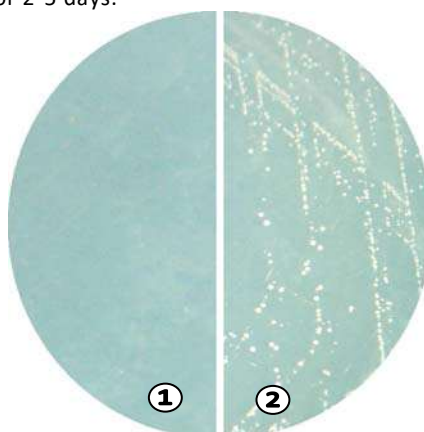
Cultural characteristics observed after an incubation at 25-30°C for 24-48 hours.

Organisms (ATCC)	Growth
<i>Streptomyces lavendulae</i> (8664)	luxuriant
<i>Streptomyces griseus</i>	Luxuriant

Storage and Shelf Life

Dried Media: Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

Prepared Media: 2-8° in sealable plastic bags for 2-5 days.



VM1694 Bennet's MiVeg Agar

1. Control

2. *Streptomyces lavendulae*

Further Reading

1. Goodfellow, M. and A.G. O'Donnell, 1989, In: S.Baumberg, M. Rodes and I. Hunter (ed) Microbial products: New approaches. Cambridge University Press, Cambridge. pp. 343-383.
2. Jones, K.L., 1949, J. Bacteriol. 57:141-145.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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