

Technical Information

Acetate MiVeg Agar

Product Code :VM2225

Application:- Acetate MiVeg Agar is recommended for the isolation and cultivation of *Leuconostoc* and *Pediococcus* species.

Composition**

Ingredients	Gms / Litre
MiVeg extract No. 1	5.0
Glucose	10.0
MiVeg peptone	5.0
Yeast extract	5.0
Polysorbate 80	0.5
Sodium acetate .3H ₂ O	16.4
Agar	20.0
Final pH (at 25°C)	5.4 ± 0.2

** Formula adjusted, standardized to suit performance parameters

Principle & Interpretation

Acetate MiVeg Agar is prepared by using MiVeg extract No.1 and MiVeg peptone which are vegetable based peptones in place of animal based peptones, thereby making the medium BSE/TSE risk free. This is the modification of Acetate agar which was formulated by Whittenbury (1) and then modified by Keddie (2) for selective isolation of *Lactobacilli*. MiVeg peptone, Yeast extract, MiVeg extract No.1 provide all essential growth nutrients. Glucose is the energy source.

Methodology

Suspend 61.9 grams of dehydrated 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. Mix well and pour into sterile petri plates.

Quality Control

Physical Appearance

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

Gelling

Firm, comparable with 2.0% Agar gel.

Colour and Clarity of prepared medium

Yellow coloured, clear to slightly opalescent gel forms in petri plates.

Reaction

Reaction of 6.19% w/v aqueous solution pH 5.4±0.2 at 25°C

pH range

5.2-5.6

Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 25-30°C for 18-24 hours

Organisms (ATCC)

Enterococcus faecalis (29212)

Leuconostoc mesenteroides (12291)

Growth

None-poor

good-luxuriant

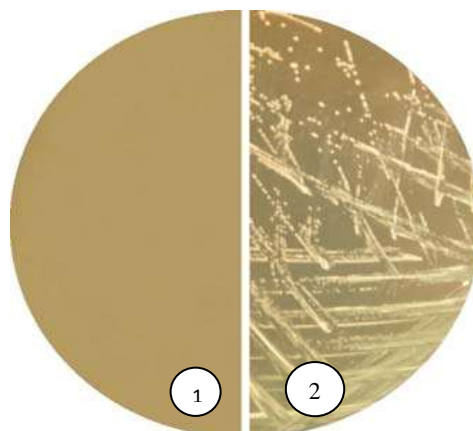
Pediococcus acidilactici (33314)

good-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.



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1. Control

2. *Leuconostoc mesenteroides*

Further Reading

1. Whittenbury R., 1965 b, J. Gen. Microbiol., 40:97.

2. Keddie R.M., 1951, Proceed. Soc. Appl. Bacteriol., 14:157.

Disclaimer :

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