Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Luria MiVeg Agar

Product Code : VM1557

Application:- Luria MiVeg Agar is used for the cultivation and maintenance of recombinant strains of *Escherichia coli*.

Composition

Ingredients	Gms / Litre
MiVeg hydrolysate	10.00
Yeast extract	5.00ssss
Sodium chloride	5.00
Agar	15.00
Final pH (at 25°C)	7.0 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Luria MiVeg Agar is prepared by using MiVeg hydrolysate in place of Casein enzymic hydrolysate thereby making the medium BSE/TSE risks free. Luria MiVeg Agar is the modification of Luria Agar which was formulated as described by Lennox (1) for cultivation and maintenance of recombinant strains of *Escherichia coli*. It is a highly nutritious medium used for the growth of pure cultures of recombinant strains.
MiVeg hydrolysate supplies peptides and peptones while yeast extract provides vitamin B complex to the organisms. Sodium chloride maintains osmotic equilibrium of the medium.

Methodology

Suspend 35.0 grams of powder media in 1000 ml distilled water. Mix thoroughly and heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Dispense as desired.

Quality Control

Physical Appearance

Light yellow coloured, homogeneous, free flowing powder.

Gelling

Firm, comparable with 1.5% Agar gel.

Colour and Clarity of prepared medium

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

Reaction

Reaction of 3.5% w/v aqueous solution is pH 7.0 ± 0.2 at 25°C.

pH Range

6.8 - 7.2

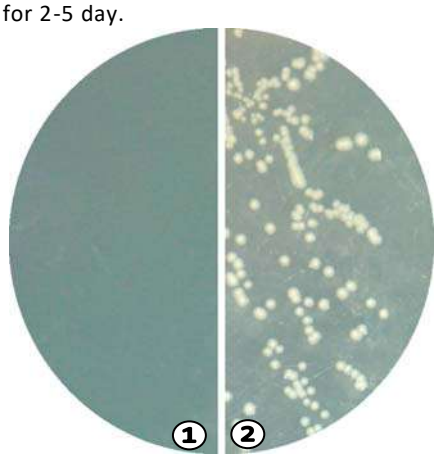
Cultural Response/Characteristics

Cultural characteristics observed after an incubation at 35-37°C for 18 - 24 hours.

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery
Escherichia coli (25922)	100-300	luxuriant	>70%
Escherichia coli (23724)	100-300	luxuriant	>70%

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: 2-8^0 in sealable plastic bags for 2-5 day.



VM1557 Luria M i Veg Agar
(Against dark background)
1. Control
2. *Escherichia coli* (25922)

Further Reading

1. Lennox E.S., 1955, Transduction of Linked Genetic Characters of the host by bacteriophage P1., Virology, 1:190.
2. Atlas R.M., 1993, Handbook of Microbiological Media, Ed. by Parks L., CRC Press, Inc.

Disclaimer :

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