

Technical Information

Soyabean MiVeg Medium w/ Yeast Extract and Ferric pyrophosphate

Product Code : VM1207

Application:- Soyabean MiVeg Medium with Yeast Extract and Ferric pyrophosphate and without Dextrose is a highly nutritious medium that supports luxuriant growth of fastidious bacteria.

Composition

Ingredients	Gms / Litre
MiVeg hydrolysate	17.0
Papaic digest of soyabean meal	3.0
Sodium chloride	5.0
Dipotassium phosphate	2.5
Yeast extract	5.0
Ferric pyrophosphate	0.02
Final pH (at 25°C)	7.3 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Principle & Interpretation

Soyabean MiVeg Medium with Yeast Extract and Ferric pyrophosphate is prepared by adding MiVeg hydrolysate in place of Casein enzymic hydrolysate thereby making the medium BSE/TSE risks free. Soyabean MiVeg Medium with Yeast Extract and Ferric pyrophosphate is the modification of Soyabean Casein Digest Medium with Yeast extract and Hemin, a highly nutritious medium used for cultivating fastidious bacteria. This medium can also be used as a general purpose medium. MiVeg hydrolysate, Papaic digest of soyabean meal and yeast extract provides nitrogenous and carbonaceous nutrients, trace ingredients and vitamin B complex for the growth of microorganisms. Ferric pyrophosphate added to the medium additional growth factors. Dipotassium phosphate maintains buffering conditions in the medium.

Methodology

Suspend 32.52 grams of powder media in 1000 ml distilled water. Mix thoroughly and heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Quality Control

Physical Appearance

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

Colour and Clarity of prepared medium

Yellow coloured, clear solution without any precipitate.

Reaction

Reaction of 3.25% w/v aqueous solution is pH 7.3 ± 0.2 at 25°C.

pH Range

7.1 - 7.5

Cultural Response/Characteristics

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

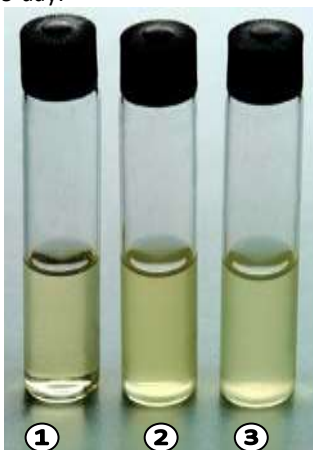
Organisms (ATCC)	Growth
<i>Bordetella pertussis</i> (8467)	luxuriant
<i>Neisseria meningitidis</i> (13090)	luxuriant

Streptococcus pyogenes (19615) 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 day.



**VM1207 Soyabean MiVeg Medium w/ Yeast Extract
and Ferric pyrophosphate**

1. Control
2. *Neisseria meningitidis*
3. *Streptococcus pyogenes*

Further Reading

1. MacFaddin J.F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, 3rd edition, Williams and Wilkins, Baltimore.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents. Do not use the products if it fails to meet specifications for identity and performance parameters.