

## Technical Information

### Glucose Yeast MiVeg Peptone Agar

**Product Code : VM1757**

**Application:-** Glucose Yeast MiVeg Peptone Agar is recommended for the isolation of yeasts from soil specimens.

### Composition

Ingredients	Gms / Litre
MiVeg peptone	10.00
Yeast extract	5.00
Dextrose	20.00
Agar	15.00

\*\* Formula adjusted, standardized to suit performance parameters.

### Principle & Interpretation

Glucose Yeast MiVeg Peptone Agar is prepared by replacing animal based peptones with vegetable peptones. Glucose Yeast MiVeg Peptone Agar is the modification of Glucose Yeast Peptone Agar described by Subba Rao (1) for isolating yeasts from soil specimens. This medium is highly nutritious which is not only used for isolating yeasts but also for some fastidious microorganisms.

MiVeg peptone and yeast extract supplies essential nitrogenous nutrients especially the amino acids and peptides. Yeast extract supplies Vitamin B. Dextrose added in the medium is a readily available source of energy and a good carbohydrate source for yeasts.

### Methodology

Suspend 50 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 15 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 to medium amber coloured, slightly opalescent gel forms in petri plates.

#### Cultural Response/Characteristics

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

Organisms (ATCC)	Inoculum (CFU)	Growth	Recovery
<i>Saccharomyces cerevisiae</i> (9763)	$10^2$ - $2 \times 10^2$	luxuriant	>70%
<i>Saccharomyces uvarum</i> (9080)	$10^2$ - $2 \times 10^2$	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° in sealable plastic bags for 2-5 day.



**VM1757 Glucose Yeast Mi Veg Peptone Agar**

*Saccharomyces cerevisiae*

## Further Reading

1. Subba Rao N.S., 1977, 'Soil Microorganisms and Plant Growth', Oxford and IBH Publishing Co., India.

## Disclaimer :

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