

Glucose Yeast HiVeg™ Peptone Agar**MV757**

Glucose Yeast HiVeg Peptone Agar is recommended for isolation of yeasts from soil specimens.

Composition :**

Ingredients	Grams/Litre
HiVeg peptone	10.00
Yeast extract	5.00
Dextrose	20.00
Agar	15.00

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 50 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

This medium is prepared by completely replacing animal based peptones with vegetable peptones. Glucose Yeast HiVeg Peptone Agar is modification of Glucose Yeast Peptone Agar formulated as described by Subba Rao (1) for isolating yeasts from soil specimens. This is a highly nutritious medium which may be used not only for isolating yeasts but also some fastidious microorganisms. HiVeg peptone and yeast extract provide nitrogenous nutrients especially the amino acids and peptides. Yeast extract also supplies Vitamin B. Dextrose added in the medium is a readily available source of energy and a good carbohydrate source for yeasts.

Quality Control :**Appearance of powder**

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

Gelling

Firm, comparable with 1.5% Agar gel.

Colour and clarity

Light to medium amber coloured, slightly opalescent gel forms in petri plates.

Product Profile :

Vegetable based (Code MV)©	Animal based (Code M)
MV757 HiVeg peptone	M757 Peptic digest of animal tissue
Recommended for	: Isolation of yeast from soil specimens
Reconstitution	: 50.0 g/l
Quantity on preparation (500g):	10.0 L
pH (25°C)	: -
Supplement	: None
Sterilization	: 121°C / 15 minutes.
Storage	: Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.

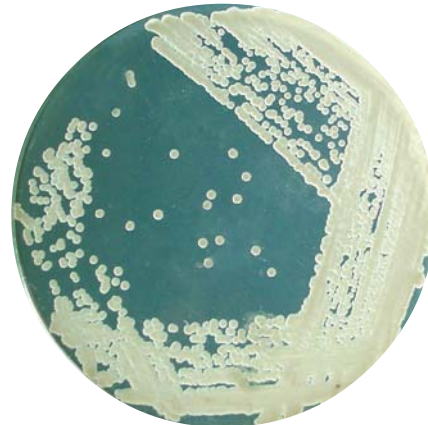
Cultural Response

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 -2x10 ²	luxuriant	>70%
<i>Saccharomyces uvarum</i> (9080)	10 ² -2x10 ²	luxuriant	>70%

References :

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



MV757 Glucose Yeast HiVeg Peptone Agar

Saccharomyces cerevisiae