

**Sabouraud Dextrose HiVeg™ Agar**

**MV063**

Sabouraud Dextrose HiVeg Agar is used for the cultivation of yeasts, moulds and aciduric microorganisms.

**Composition \*\* :**

Ingredients	Grams/Litre
HiVeg peptone No. 4	10.0
Dextrose	40.0
Agar	15.0

Final pH (at 25°C ) 5.6 ± 0.2

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

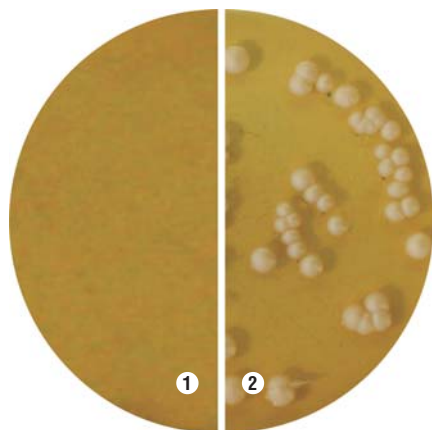
**Directions :**

Suspend 65 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 :**

Sabouraud Dextrose HiVeg Agar is prepared by completely replacing animal based peptones with vegetable peptones that makes the medium free of BSE/TSE risks. Sabouraud Dextrose HiVeg Agar is the modification of Carlier's formulation(1) which is based on of the formulation described by Sabouraud (2) for the cultivation of fungi (yeasts, moulds) particularly useful for the fungi associated with skin infections.

HiVeg peptone No. 4 provides nitrogenous compounds. Dextrose serves as an energy source. The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens (3). Agar acts as a solidifying agent. Some pathogenic fungi may produce infective spores which are easily dispersed in air, so examination should be carried out in a safety cabinet.



**MV063 Sabouraud Dextrose HiVeg Agar**  
(Against dark background)

- 1. Control
- 2. *Candida albicans*

**Product Profile :**

Vegetable based (Code MV)©	Animal based (Code M)
<b>MV063</b> HiVeg peptone No. 4	<b>M063</b> Mycological peptone

<b>Recommended for</b>	: Cultivation of yeasts, moulds and aciduric microorganism.
<b>Reconstitution</b>	: 65.0 g/l
<b>Quantity on preparation (500g)</b>	: 7.69 L
<b>(100g)</b>	: 1.53 L
<b>pH (25°C)</b>	: 5.6 ± 0.2
<b>Supplement</b>	: None
<b>Sterilization</b>	: 121°C / 15 minutes.
<b>Storage</b>	: Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.

**Quality Control :**

**Appearance of powder**

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

**Gelling**

Firm, comparable with 1.5% Agar gel.

**Colour and Clarity**

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

**Reaction**

Reaction of 6.5%w/v aqueous solution is pH 5.6 ± 0.2 at 25°C.

**Cultural Response**

Cultural characteristics observed after an incubation at 25-30°C for 48 - 72 hours.

Organisms (ATCC)	Growth
<i>Aspergillus niger</i> (16404)	luxuriant
<i>Candida albicans</i> (10231)	luxuriant
<i>Escherichia coli</i> (25922)	luxuriant*
<i>Saccharomyces cerevisiae</i> (9763)	luxuriant
<i>Trichophyton rubrum</i> (28191)	luxuriant**

Key : \* = inhibited on media with lower pH  
\*\* = growth upto 7 days

**References :**

1. Carlier G. I. M., 1948, Brit. J. Derm. Syph., 60:61.
2. Sabouraud K., 1892, Ann. Dermatol. Syphilol, 3:1061.
3. Murray PR, Baren EJ, Pfaller MA, Tenover FC, White H (editors) 2003, Manual of Clinical Microbiology, 8th ed., ASM, Washington, D.C.