

Trichophyton HiVeg™ Agar-2**MV532**

Trichophyton HiVeg Agar - 2 is used for differentiation of *Trichophyton* species based on their nutritional requirements.

Composition ** :

Ingredients	Grams/Litre
HiVeg hydrolysate	2.5
Dextrose	40.0
Monopotassium dihydrogen phosphate	1.8
Magnesium sulphate	0.1
Inositol	0.005
Agar	15.0

Final pH (at 25°C) 6.8 ± 0.2

** Formula adjusted, standardized to suit performance parameters.

Directions :

Suspend 59.4 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in test tubes and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubed medium to cool in a slanted position.

Principle and Interpretation :

Trichophyton HiVeg Agar - 2 is prepared by using vegetable peptone which is free of BSE/TSE risks. Trichophyton HiVeg Agar - 2 is recommended for the differentiation of *Trichophyton* species which are divided in 4 major groups. This medium is the modifications of medium designed according to the formulations of George and Camp (1) based upon the nutritional requirements of various species of *Trichophyton*.

Trichophyton fungi are included in the category of dermatophytes which are saprophytic, parasitic and pathogenic on the skin, hair and nails of man and other animals. They cause ringworm in man. Trichophyton HiVeg Agar-2 medium contains added Inositol. This medium is used along with Trichophyton HiVeg Agar - 1 to determine the inositol requirement of isolates.

It is important to use pure culture from general purpose medium such as Sabouraud Dextrose HiVeg Agar. The cultures should not be contaminated with bacteria, as many bacteria synthesize vitamin and may invalidate the test results.

Product Profile :

Vegetable based (Code MV)☉		Animal based (Code M)	
MV532	HiVeg hydrolysate	M532	Casein enzymic hydrolysate
Recommended for	:	Differentiation of <i>Trichophyton</i> species.	
Reconstitution	:	59.4 g/l	
Quantity on preparation (500g)	:	8.41 L	
pH (25°C)	:	6.8 ± 0.2	
Supplement	:	None	
Sterilization	:	121°C / 15 minutes	
Storage	:	Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.	

Quality Control :**Appearance of powder**

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

Gelling

Firm, comparable with 1.5% Agar gel.

Colour and Clarity

Light amber coloured clear to slightly opalescent gel forms in tubes as slants.

Reaction

Reaction of 5.94% w/v aqueous solution is pH 6.8 ± 0.2 at 25°C.

Cultural Response

Cultural characteristics observed after an incubation at 30°C for upto 2 weeks.

Organisms (ATCC)

Trichophyton mentagrophytes (9533)
Trichophyton rubrum (28191)

Growth

luxuriant
luxuriant

References :

1. George and Camp, 1957, J. Bact., 74:113.