Maintenance (SCY) HiVeg™ Medium MV777

Maintenance (SCY) HiVeg Medium is used for the maintenance of Iron bacteria.

Composition ** :

Ingredients	Grams/Litre
HiVeg hydrolysate	0.91
Papaic digest of soyabean meal	0.03
Yeast extract	0.25
Sucrose	1.0
Sodium chloride	0.05
Dipotassium hydrogen phosphate	0.02
Thiamine	0.0004
Agar	10.0

Final pH (at 25°C) 7.3 ± 0.2
** Formula adjusted, standardized to suit performance parameters.

Directions :

Suspend 12.26 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. Aseptically add filter sterilized solution of Cyanocobalamin to a final concentration of 0.01 mg/litre.

Principle and Interpretation :

Maintenance (SCY) HiVeg Medium is prepared by using HiVeg hydrolysate in place of Casein enzymic hydrolysate, which makes the medium BSE/TSE risk free. This medium is the modification of Maintenance Medium which is prepared in accordance with APHA(1). Isolation and maintenance media, like the conventional media have proven successful for identifying various groups of filamentous organisms including iron bacteria (2).
Prepare agar slants and aseptically pipette 3 ml sterile tap water on the slant surfaces. Inoculate and incubate at room temperature until turbid growth develops in liquid layer. The cells remain viable for 3 months in refrigerator.

Product Profile :

Vegetable based (Code MV)◉	Animal based (Code M)
MV777 HiVeg hydrolysate	**M777** Casein enzymic hydrolysate

Recommended for	:	Maintenance of Iron bacteria
Reconstitution	:	12.26 g/l
Quantity on preparation (500g)	:	40.78 L
pH (25°C)	:	7.3 ± 0.2
Supplement	:	Cyanocobalamin
Sterilization	:	121°C / 15 minutes.

Storage : Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.

Quality Control :

Appearance of powder
Light yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.
Gelling
Firm, comparable with 1.0% Agar gel.
Colour and Clarity
Light yellow coloured, clear to slightly opalescent gel forms in tubes as slants.
Reaction
Reaction of 1.23% w/v aqueous solution is pH 7.3 ± 0.2 at 25°C.
Cultural Response
Cultural characteristics observed after an incubation at 25-30°C for 48 - 72 hours.

Organisms (ATCC)	Growth
Leptothrix (S. discophorous)	luxuriant
Sphaerotilus natans (13338)	luxuriant
Thiobacillus thioparus	luxuriant

References :

1. Eaton A.D., Clesceri L.S. and Greenberg A.E., (Eds.), 2005, Standard Methods for the Examination of Water and Wastewater, 21st ed, APHA, Washington, DC.
2. VanVeen W.L., 1973, Antonie Van Leeuwenhoek (Holland), 39:189.

◉ Prepared from GMO free Vegetable proteins replacing Animal based peptones. Freedom from BSE/TSE worries.

HIMEDIA®