Soyabean HiVeg™ Medium w/ Yeast Extract and Ferric pyrophosphate MV207

Soyabean HiVeg Medium with Yeast Extract and Ferric pyrophosphate and without Dextrose is a highly nutritious medium which supports luxuriant growth of fastidious bacteria.

Composition ** :

Ingredients	Grams/Litre
HiVeg hydrolysate	17.0
Papaic digest of soyabean meal	3.0
Sodium chloride	5.0
Dipotassium phosphate	2.5
Yeast extract	5.0
Ferric pyrophosphate	0.02

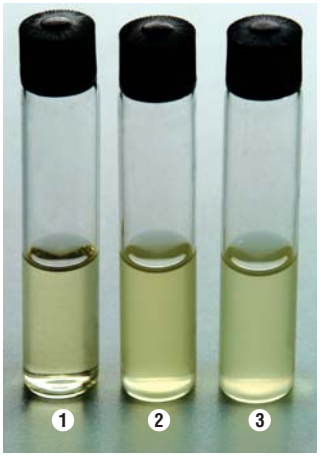
Final pH (at 25°C) 7.3 ± 0.2
** Formula adjusted, standardized to suit performance parameters.

Directions :

Suspend 32.52 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

Soyabean HiVeg Medium with Yeast Extract and Ferric pyrophosphate is prepared by using vegetable peptone in place of animal based peptones which makes the medium free of BSE/TSE risks. Soyabean HiVeg Medium with Yeast Extract and Ferric pyrophosphate is the modification of Soyabean Casein Digest Medium with Yeast extract and Hemin, which is a highly nutritious medium for cultivating fastidious bacteria. It can also be used as general, all purpose cultivation medium (1).



MV207 Soyabean HiVeg Medium w/ Yeast Extract and Ferric pyrophosphate

1. Control
2. *Neisseria meningitidis*
3. *Streptococcus pyogenes*

Product Profile :	
Vegetable based (Code MV)◉	**Animal based** (Code M)
MV207 HiVeg hydrolysate Ferric pyrophosphate	**M207** Casein enzymic hydrolysate Hemin

Recommended for	:	Luxuriant growth of fastidious bacteria.
Reconstitution	:	32.52 g/l
Quantity on preparation (100g)	:	3.07 L
pH (25°C)	:	7.3 ± 0.2
Supplement	:	None
Sterilization	:	121°C / 15 minutes.

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

HiVeg hydrolysate, Papaic digest of soyabean meal and yeast extract supply nitrogenous and carbonaceous nutrients, trace ingredients and vitamin B complex for the growth of microorganisms. Ferric pyrophosphate provides additional growth factors. Dipotassium phosphate maintains buffering conditions in the medium.

Quality Control :

Appearance of powder
Yellow coloured, may have slightly greenish tinge, homogeneous, free flowing powder.

Colour and Clarity
Yellow coloured, clear solution without any precipitate.

Reaction
Reaction of 3.25% w/v aqueous solution is pH 7.3 ± 0.2 at 25°C.

Cultural Response
Cultural characteristics observed after an incubation at 35-37°C for 18 - 24 hours.

Organisms (ATCC)	Growth
Bordetella pertussis (8467)	luxuriant
Neisseria meningitidis (13090)	luxuriant
Streptococcus pyogenes (19615)	luxuriant

References :

1. MacFaddin J.F., 1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, 3rd edition, Williams and Wilkins, Baltimore.

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