Fluid Casein Digest Soya Lecithin HiVeg™ Medium (Twin Pack) MV117

Fluid Casein Digest Soya Lecithin HiVeg Medium is recommended for sanitary examination of surfaces.

Composition ** :

Ingredients	Grams/Litre
Part A:	
HiVeg hydrolysate	20.0
Soya lecithin	5.0
Part B:	
Polysorbate 20	40.0 ml

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

Directions :

Suspend 25 grams of Part A in 960 ml distilled water. Heat if necessary to dissolve the medium completely. Add 40 ml of Part B. Mix well and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

This medium is prepared by using HiVeg hydrolysate is place of Casein enzymic hydrolysate which makes the medium free of BSE/TSE risks. Fluid Casein Digest Soya Lecithin HiVeg Medium is recommended for sanitary examination of surfaces. Weber and Black had described the importance of a highly nutritional medium containing the neutralizing agents for quaternary ammonium compounds (1,2).

MV117 Fluid Casein Digest Soya Lecithin HiVeg Medium (Twin Pack)

1. Control
2. *Bacillus subtilis*
3. *Escherichia coli*
4. *Staphylococcus aureus*

Product Profile :		
Vegetable based (Code MV)◉		**Animal based** (Code M)
MV117 HiVeg hydrolysate		**M117** Casein enzymic hydrolysate
Recommended for	:	Sanitary examination of surfaces.
Reconstitution	:	25.0 g/l (Part A)+ 40.0 ml/l (Part B)
Quantity on preparation (500g)	:	7.69 L (A+B)
(100g)	:	1.53 L (A+B)
pH (25°C)	:	7.3 ± 0.2
Supplement	:	None
Sterilization	:	121°C / 15 minutes.
Storage : Dry Medium and Prepared Medium 2 - 8°C.		

The medium contains HiVeg hydrolysate which provides the necessary nutrients for the growth of the organisms. Soya lecithin neutralizes the quaternary ammonium compounds while polysorbate 20 neutralizes phenolic disinfectants, hexachlorophene and formalin (3).

Quality Control :

Appearance of powder

Part A : Yellow coloured, may have greenish tinge, homogeneous, free flowing powder.
Part B : Colourless, clear, viscous liquid.

Colour and Clarity

Yellow coloured, clear solution without any precipitate.

Reaction

Reaction of the medium (2.5% w/v Part A + 4.0% v/v Part B) 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)	Inoculum (CFU)	Growth
**Candida albicans* (10231)	10^2-10^3	good-luxuriant
Bacillus subtilis (6633)	10^2-10^3	good-luxuriant
Escherichia coli (25922)	10^2-10^3	good-luxuriant
Staphylococcus aureus (25923)	10^2-10^3	good-luxuriant

Key : * = Incubate at 25-30°C for 24-48 hours.

References :

1. Weber and Black, 1948, Soap and Sanitary Chemicals, 24:134.
2. Weber and Black, 1948, Am. J. Public Health, 38:1405.
3. Favero (chem.), 1967, Microbiological Sampling of Surfaces, Biological Contamination Control Committee, American Asso. for Contamination Control.

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

HIMEDIA®