

Hartley's Digest HiVeg™ Broth**MV551**

Hartley's Digest HiVeg Broth is recommended as a general purpose medium for the cultivation of a wide range of microorganisms from blood especially fastidious *Streptococci* and *Corynebacterium diphtheriae*.

Composition :**

Ingredients	Grams/Litre
HiVeg special infusion	29.00

Final pH (at 25°C) 7.6 ± 0.2

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 29 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle and Interpretation :

Hartley's Digest HiVeg Broth is prepared by using HiVeg special infusion in place of tryptic digest of heart muscle thus making the medium free of BSE/TSE risks. This is the modification of the medium described by Hartley (1) for the production of diphtheria toxin.

Hartley's Digest HiVeg Broth can be used for the recovery of fastidious organisms such as Group A, C, G *Streptococci* and *Streptococcus pneumoniae* from small inocula. It can also be used to recover *Corynebacterium diphtheriae*. Monckton (2) used it as enrichment medium for the same organism. It may be used for cultivation of blood samples, sterility testing, production of diphtheria toxin etc.

Quality Control :**Appearance of Powder**

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

Colour and Clarity

Light yellow coloured, clear solution without any precipitate.

Reaction

Reaction of 2.9% w/v aqueous solution is pH 7.6 ± 0.2 at 25°C.

Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.

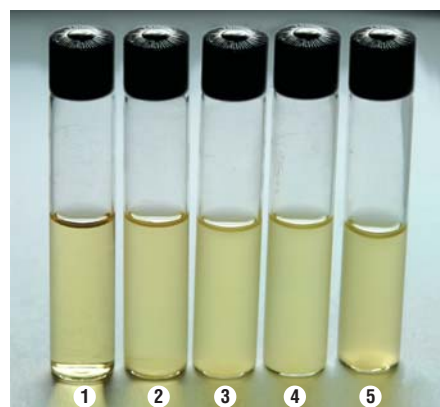
Organisms (ATCC)	Inoculum(CFU)	Growth
<i>Corynebacterium diphtheriae</i> (11913)	10 ² -10 ³	luxuriant
<i>Enterococcus faecalis</i> (29212)	10 ² -10 ³	luxuriant
<i>Staphylococcus aureus</i> (25923)	10 ² -10 ³	luxuriant
<i>Streptococcus pneumoniae</i> (6303)	10 ² -10 ³	luxuriant
<i>Streptococcus pyogenes</i> (19615)	10 ² -10 ³	luxuriant

Product Profile :

Vegetable based (Code MV)©	Animal based (Code M)
MV551 HiVeg special infusion	M551 Tryptic digest of heart muscle
Recommended for	: Cultivation of a wide range of microorganisms from blood especially fastidious <i>Streptococci</i> and <i>Corynebacterium diphtheriae</i> .
Reconstitution	: 29.0 g/l
Quantity on preparation (500g)	: 17.24 L
	(100g) : 3.44 L
pH (25°C)	: 7.6 ± 0.2
Supplement	: None
Sterilization	: 121°C / 15 minutes.
Storage	: Dry Medium - Below 30°C, Prepared Medium 2 - 8°C.

References :

- Hartley P., 1922, J. Path. Bact., 25:479.
- Monckton J.C., 1947, Buli Inst. Med. Lab. Tichnol., 13(1):2



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- Control
- Corynebacterium diphtheriae*
- Enterococcus faecalis*
- Staphylococcus aureus*
- Streptococcus pneumoniae*