

**Beef Extract Agar / Broth, HiVeg™****MV806 / MV807**

Beef Extract Agar / Broth, HiVeg is used as a general purpose nutrient medium which can support growth of not particularly fastidious bacteria.

**Composition\*\* :**

Ingredients	MV806	MV807
	Grams/Litre	Grams/Litre
HiVeg peptone	10.00	10.00
HiVeg extract	3.00	300
Sodium chloride	5.00	5.00
Agar	15.00	-

Final pH (at 25°C) 7.6 ± 0.2 7.2 ± 0.2

\*\* Formula adjusted, standardized to suit performance parameters

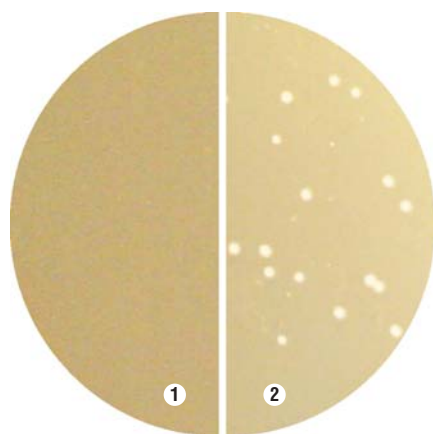
**Directions :**

Suspend 33 grams of MV806 or 18 grams of MV807 in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense in tubes. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Allow the tubes of MV806 to cool in slanting position if required.

**Principle and Interpretation :**

These media are prepared by completely replacing animal based peptones by vegetable peptones. These are non selective nutrient media containing HiVeg extract and HiVeg peptone as a source of nitrogen and carbon and sodium chloride as a source of electrolytes.

These media like the conventional media can be used as a general purpose nutrient medium and is also recommended for preparation of pure culture of *Candida* species for carrying out fermentation studies (1).



**MV806 Beef Extract Agar, HiVeg**

1. Control

2. *Staphylococcus aureus*

**Product Profile :**

Vegetable based (Code MV)☉	Animal based (Code M)
<b>MV806/MV807</b>	<b>M806/M807</b>
HiVeg peptone HiVeg extract	Peptic digest of animal tissue Beef extract

**Recommended for** : General purpose medium, for not particularly fastidious bacteria.

**Reconstitution** : (MV806) : 33.0 g/l  
(MV807) : 18.0 g/l

**Quantity on preparation (500g)** : (MV806) : 15.15 L  
(500g) : (MV807) : 27.77 L

**pH (25°C)** : (MV806) : 7.6 ± 0.2  
(MV807) : 7.2 ± 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**

Light yellow coloured, homogeneous, free flowing powder.

**Gelling**

Firm, comparable with 1.5% Agar gel of MV806.

**Colour and Clarity**

Yellow coloured, clear to slightly opalescent gel forms in petriplates, clear solution in tubes.

**Reaction**

Reaction of 3.3% w/v aqueous solution of MV806 is pH 7.6 ± 0.2 at 25°C and 1.8% w/v aqueous solution of MV807 is pH 7.2 ± 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	Recovery
<i>Escherichia coli</i> (25922)	10 <sup>2</sup> - 10 <sup>3</sup>	luxuriant	> 70%
<i>Staphylococcus aureus</i> (25923)	10 <sup>2</sup> - 10 <sup>3</sup>	luxuriant	> 70%
<i>Candida albicans</i> (10231)	10 <sup>2</sup> - 10 <sup>3</sup>	luxuriant	> 70%
<i>Salmonella</i> serotype Typhi (6539)	10 <sup>2</sup> - 10 <sup>3</sup>	luxuriant	> 70%
<i>Pseudomonas aeruginosa</i> (27853)	10 <sup>2</sup> - 10 <sup>3</sup>	luxuriant	> 70%

**References :**

1. Bailey and Scott's Diagnostic Microbiology Finegold S. M. and Baron E.J. (Ed.), 1986, 7<sup>th</sup> Edition, The C.V. Mosby Company, St. Louis.