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# Product Name : Humic Acid Vitamin Agar

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Used for the isolation and cultivation of *Actinomycetes spp.*

## FORMULA (G/L)

Disodium Phosphate.....0.5  
Potassium Chloride.....1.71  
Magnesium Sulfate.....0.05  
Ferrous Sulfate.....0.01  
Calcium Carbonate.....0.02  
Agar.....15.0  
Final pH = 7.2 ± 0.2 at 25°C.

## DIRECTIONS

Suspend 17.3 G in 880 mL of distilled water and add 2 vials of Humic Acid supplement (MB-H0754). Boil to dissolve the medium completely. Sterilize by autoclaving at 121 °C for 15 minutes. Cool to 45-50°C. Aseptically add 2 vials of Bennett's Agar supplement (MB-B0755). Mix well. Dispense in petri dishes.

### Humic Acid supplement

1 Vial contents (Each vial is sufficient for 440 mL of medium)  
Humic Acid.....500.0 mg

### Bennett's Agar supplement

1 Vial contents (Each vial is sufficient for 440 mL of medium)  
Thiamine HCl.....0.25 mg  
Riboflavin.....0.25 mg  
Niacin.....0.25 mg  
Pyridoxin HCl.....0.25 mg  
Inositol.....0.25 mg  
Calcium Pantothenate.....0.25 mg  
Aminobenzoic Acid.....0.25 mg  
Biotin.....0.125 mg  
Cycloheximide.....25.0 ppm  
Nalidixic Acid.....5.0 ppm

## DESCRIPTION

Humic Acid Vitamin Agar is used for the isolation and cultivation of *Actinomycetes spp.*

## QUALITY CONTROL

### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

### Prepared medium

Appearance: clear.

Color: black.

Incubation conditions: 26 –30 °C / 40 -72 hours up to 7 days.

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Microorganism	ATCC	Growth
<i>Streptomyces albus</i>	3004	good

### STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

### REFERENCES

1. Hopwood, D. A. 1987. Proc, R, Soc, Land. Series B 23:2257-2269.

### PACKAGING

Cat. No : MB-H0663 Humic Acid Vitamin Agar	500 G
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