

**MM0309**

## **Haemophilus Test Agar**

### **Use and description:**

HTA with added growth supplement is recommended for the susceptibility testing of *Haemophilus influenzae*.

HTA contains beef infusion and acid casein hydrolysate which provide essential nutrients to the organisms. Yeast extract serves as a source of B complex vitamins. Starch acts as a protective colloid against toxic substances present in the medium.

### **Composition per liter:**

Beef Infusion .....	300.0 g
Acid Casein .....	17.5 g
Yeast Extract .....	5.0 g
Starch .....	1.5g
Agar .....	17.0g

**Final pH of the ready to use medium:** 7.4 ± 0.2

### **Medium preparation:**

Add 21.5 grams of dehydrated culture medium to 500 ml of distilled water. Sterilize in the autoclave at 121°C for 15 minutes. Cool to 50°C and aseptically add the rehydrated contents of 1 vial of growth supplement. mix well.

### **Quality specifications:**

Dehydrated medium: homogeneous, cream to yellow fine powder.

Ready to use medium: light amber and clear to lightly opalescent gel

### **Microbiological response: incubated anaerobically at 35°C and examined for growth after 18-24 hours**

<b>Organism</b>	<b>Result</b>	<b>innoculum CFU</b>
<i>Haemophilus influenzae</i> ATCC49766	Growth Lux	50-100
<i>Staphylococcus aureus</i> ATCC25923	Growth Good Lux	50-100
<i>Enterococcus faecalis</i> ATCC29212	Growth Good Lux	50-100
<i>Streptococcus pyogenes</i> ATCC19615	Growth Good Lux	50-100
<i>Neisseria meningitidis</i> ATCC13090	Growth Good Lux	50-100

### **Storage:**

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.