

**MM0369**

## **Tryptose Sulphite Cycloserine Agar TSC Agar**

### **Use and description:**

Tsc agar is for isolation and enumeration of vegetative forms as well as spores from *Clostridium perfringens* in food, clinical specimens and other material acc to Harmon .

### **Composition per liter:**

Peptones ..	19.5 g
Ammonium Citrate .....	1.0 g
Yeast Extract .....	5.0 g
Sodium Disulphite.....	1.0 g
Agar .....	15.0 g

**Final pH of the ready to use medium:** 7.6 ± 0.2

### **Medium preparation:**

Add 41,5 grams of dehydrated culture medium to 1 liter of distilled water. Mix thoroughly. Autoclave for 15 min at 121°C. Cool to 50C.

Supplement it with D-cycloserine and with Egg Yolk Emulsion

### **Quality specifications:**

Dehydrated medium: beige ,free flowing powder

Ready to use medium: light brownish-yellow . clear

### **Microbiological response: after 48H of incubation**

<b>Organism</b>	<b>Growth</b>	<b>Lecithinase activity</b>
<i>Clostridium tetani</i> ATCC19406	++	
<i>Clostridium Perfringens</i> ATCC 13124	black colony +++	+
<i>Clostridium novyi</i> ATCC10543	++	
<i>Bacillus cereus</i> ATCC11778	+	

### **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 if the color has changed from the original.