

**Scheda 46 : Lactose TTC Tergitolo 7 Agar**

**B.1 Lactose TTC agar with sodium heptadecylsulfate**

**B.1.1 Basal medium**

**Composition**

Lactose	20 g
Peptone	10 g
Yeast extract	6 g
Meat extract	5 g
Bromothymol blue	0,05 g
Agar (in powder or flake form)	15 g to 25 g(*)
Distilled water	1000 ml

(\*) Depending on the gelling power of the agar.

Dissolve the ingredients in water by heating. If necessary, adjust the pH so that after sterilization it has a value

corresponding to  $7,2 \pm 0,1$  at 25 °C. Dispense the medium into bottles, in volumes of maximum 250 ml, and

sterilize in the autoclave at  $(121 \pm 3)$  °C for 15 min

**B.1.2 TTC solution**

2,3,5-Triphenyltetrazolium chloride (TTC)	0,05 g
Distilled water	100 ml

Dissolve the TTC in some of the water and make up to 100 ml. Sterilize by filtration through a membrane of 0,2 mm nominal pore size.

**B.1.3 Sodium heptadecylsulfate solution**

Sodium heptadecylsulfate (Tergitol (**)) 7)	0,2 g
Distilled water	100 ml

Dissolve the sodium heptadecylsulfate in some of the water and make up to 100 ml. Sterilize in the autoclave at

$(121 \pm 3)$  °C for 15 min.

(\*\*) Tergitol is an example of a suitable product available commercially. This information is given for the convenience of users of this part of ISO 9308 and does not constitute an endorsement by ISO of this product.

**B.1.4 Complete medium**

Basal medium (B.1.1)	100 ml
TTC solution (B.1.2)	5 ml
Sodium heptadecylsulfate solution (B.1.3)	5 ml

Melt the basal medium and cool to  $(50 \pm 5)$  °C. Add the TTC and sodium heptadecylsulfate solutions aseptically,

mix thoroughly but avoid the formation of bubbles after each addition. Dispense in Petri dishes to a depth of at least 5 mm. If not for immediate use, store at  $(5 \pm 3)$  °C in the dark for not longer than 10 d.

