

ISO 7899:2003

Scheda 55 : Slanetz Bartley agar

Slanetz and Bartley medium

Basal medium

Tryptose	20,0 g
Yeast extract	5,0 g
Glucose	2,0 g
Dipotassium hydrogenphosphate (K_2HPO_4)	4,0 g
Sodium azide (NaN_3)	0,4 g
Agar	8 g to 18 g (*)
Water	1000 ml

Dissolve the ingredients in boiling water.
Once dissolution is complete, heat for an additional 5 min.
Cool to 50 °C to 60 °C.

TTC solution

2,3,5-triphenyltetrazolium chloride	1,0 g
Water	100 ml

Dissolve the indicator in the water by stirring.
Sterilize by filtration (0,2 µm).
Protect the solution against the action of light, and discard it if a pink tinge develops.

Complete medium

Basal medium (6.3.1.1) 1 000 ml
ITC solution (6.3.1.2) 10 ml

Add the TTC solution to the basal medium cooled to 50 °C to 60 °C.
Adjust the pH if necessary so that after sterilization it is $7,2 \pm 0,1$ at 25 °C, with a solution of sodium carbonate (100 g/l) or of sodium hydroxide (40 g/l) or of hydrochloric acid (36,5 g/l).
Pour 20 ml of medium into Petri dishes of 9 cm diameter (or an equivalent amount in a dish of another size) and allow to set on a cool, horizontal surface.
Poured plates can be stored in the dark for up to 2 weeks at $5 \text{ °C} \pm 3 \text{ °C}$.