
Product Specification

Product Name: Tryptose Sulfite Cycloserine (TSC) Agar Base

Product Code: SG7364 / SG7365

PRODUCT DESCRIPTION:

Tryptose Sulfite Cycloserine (TSC) Agar Base is used for isolating and enumerating *Clostridium perfringens* in food and clinical specimens. This product is available in both dehydrated and granulated form.

Use:

Stir to suspend 42.0 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute. Autoclave at 121°C for 15 minutes. Allow to cool (40– 45°C) before aseptically adding one vial of D-Cycloserine (SG7366) to every 100 mL of the medium. Dispense into petri dishes. For laboratory use only.

Components:

Tryptone - 15.0 g/L

Soy Peptone - 5.0 g/L

Yeast Powder - 5.0 g/L

Sodium Metabisulfite (Na₂S₂O₅) - 1.0 g/L

Ferric Ammonium Citrate - 1.0 g/L

Agar - 15.0 g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Brownish Powder / Granules
pH (@25°C):	7.6 ± 0.2
<u>Microbiological Tests</u>	
<i>Clostridium perfringens</i> (ATCC 13124)	<u>Quality Control Results</u> PR ≥ 0.7; black colonies
<i>Clostridioides difficile</i> (ATCC 43593)	G ≤ 1

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36 ± 1°C and observed after 20 to 24 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.