
Product Specification

Product Name: TS Saline Agar (Triple Sugar Saline Iron Agar)

Product Code: SG7360

PRODUCT DESCRIPTION:

TS Saline Agar (Triple Sugar Saline Iron Agar) is used for the identification of *Vibrio* species, especially *Vibrio parahaemolyticus*, with a high 3% sodium chloride concentration (30g/L) to maintain osmotic balance for halophilic bacteria.

Use:

Stir to suspend 89.5 g of dehydrated 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 making additions, such as antibiotics (if desired). Dispense into tubes and leave to solidify as deep agar slants. For laboratory use only.

Components:

Peptone - 15.0 g/L

Proteose Peptone - 5.0 g/L

Beef Extract - 3.0 g/L

Yeast Extract - 3.0 g/L

Sodium Chloride - 30.0 g/L

Lactose - 10.0 g/L

Sucrose - 10.0 g/L

Glucose - 1.0 g/L

Ferrous Sulfate - 0.2 g/L

Phenol Red - 0.024 g/L

Sodium Thiosulfate - 0.3 g/L

Agar - 12.0 g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Yellowish Powder
pH (@25°C):	7.4 ± 0.2
<u>Microbiological Tests</u>	
<i>Vibrio parahaemolyticus</i> (ATCC17802)	<u>Quality Control Results</u> Good growth; slant turns red, bottom turns yellow
<i>Vibrio alginolyticus</i> (ATCC33787)	Good growth; both slant and bottom turn yellow

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

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