



# Technical Data

## Tryptone Soya Agar w/added NaCl

M593

Tryptone Soya Agar with added NaCl is a highly nutritious general purpose medium recommended for use when 1% Sodium Chloride is needed in medium.

### Composition\*\*

Ingredients	Gms / Litre
Casein enzymic hydrolysate	15.000
Papaic digest of soyabean meal	5.000
Sodium chloride	10.000
Agar	15.000
Final pH ( at 25°C)	7.3±0.2

\*\*Formula adjusted, standardized to suit performance parameters

### Directions

Suspend 45.0 grams in 1000 ml distilled water. Heat to boiling to dissolve completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

### Principle And Interpretation

Tryptone Soya Agar with added Sodium chloride is a nutritious general purpose medium recommended for use when 1% Sodium chloride is needed in medium. Casein enzymic hydrolysate and papaic digest of soyabean meal provide nitrogenous compounds and other growth factors. The medium contains slightly high concentration of sodium chloride which provides the ions and also maintains osmotic equilibrium.

### Quality Control

#### Appearance

Yellow coloured homogeneous free flowing powder

#### Gelling

Firm, comparable with 1.5% Agar gel

#### Colour and Clarity of prepared medium

Yellow coloured clear gel forms in Petri plates.

#### Reaction

Reaction of 4.5% w/v aqueous solution at 25°C. pH : 7.3±0.2

#### pH

7.10-7.50

#### Cultural Response

Cultural characteristics observed after an incubation at 35-37°C for 18-24 hours .

#### Cultural Response

Organism	Inoculum (CFU)	Growth	Recovery
<b>Cultural Response</b>			
<i>Neisseria gonorrhoeae</i> ATCC 19424	50-100	luxuriant	≥70%
<i>Staphylococcus aureus</i> ATCC 25923	50-100	luxuriant	≥70%
<i>Staphylococcus epidermidis</i> ATCC 12228	50-100	luxuriant	≥70%
<i>Streptococcus pyogenes</i> ATCC 19615	50-100	luxuriant	≥70%

### Storage and Shelf Life

Please refer disclaimer Overleaf.

Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

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