



## 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

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

Revision : 02 / 2015

**Disclaimer :**

User must ensure suitability of the product(s) in their application prior to use. Products conform solely to the information contained in this and other related HiMedia™ publications. The information contained in this publication is based on our research and development work and is to the best of our knowledge true and accurate. HiMedia™ Laboratories Pvt Ltd reserves the right to make changes to specifications and information related to the products at any time. Products are not intended for human or animal or therapeutic use but for laboratory, diagnostic, research or further manufacturing use only, unless otherwise specified. Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.