

Tryptone Soya Agar with Added NaCl

Intended Use

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

Principle

The medium contains slightly high concentration of sodium chloride which provides the ions and also maintains osmotic equilibrium. Casein enzymic hydrolysate and papaic digest of soyabean meal provide nitrogenous compounds and other growth factors.

Formula*

| Ingredients | g/L |
|--------------------------------|-----------|
| Casein enzymic hydrolysate | 15.0 |
| Papaic digest of soyabean meal | 5.0 |
| Sodium chloride | 10.0 |
| Agar | 15.0 |
| Final pH (at 25°C) | 7.3 ± 0.2 |

*Adjusted to suit performance parameters

Storage and Stability

Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2°C -8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Specimen Collection and Handling

Ensure that all samples are properly labelled.

Follow appropriate techniques for handling samples as per established guidelines.

Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure.

The samples must be stored and tested within the permissible time duration.

After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions

1. Suspend 45.00 g of the powder in 1000mL distilled water.
2. Heat to boiling to dissolve the powder completely.
3. Sterilize by autoclaving at 121°C (15psi) for 15 minutes.

Quality Control

Dehydrated Appearance: Yellow coloured homogeneous free flowing powder.

Prepared Appearance: Yellow coloured, clear gel forms in petriplates.

Cultural Response: Cultural characteristics observed after an incubation at 30°C-37°C for 18-24 hours.

| Organism (ATCC) | Growth |
|-----------------|--------|
|-----------------|--------|

| | |
|--------------------------------------|------|
| <i>Neisseria gonorrhoeae</i> (19424) | Good |
|--------------------------------------|------|

| | |
|--------------------------------------|------|
| <i>Staphylococcus aureus</i> (25923) | Good |
|--------------------------------------|------|

| | |
|---|------|
| <i>Staphylococcus epidermidis</i> (12228) | Good |
|---|------|

| | |
|---------------------------------------|------|
| <i>Streptococcus pyogenes</i> (19615) | Good |
|---------------------------------------|------|

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

| Cat No. | Product description | Pack Size |
|--------------|--------------------------|-----------|
| 201200270500 | Dehydrated Culture Media | 500 g |

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.
