Rev: 0

Trypticase Soy Agar | Ready-to-use Media

a product by Biomed MDX

Effective Date: 15/11/2024

REF FP90T1012

Intended Use:

General-purpose medium which supports the isolation and cultivation of non-fastidious as well as fastidious microorganisms.

Principle of the Procedure:

The combination of casein and soy peptones renders the medium highly nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides. The sodium chloride maintains osmotic equilibrium.

Product Summary:

Trypticase Soy Agar is a general-purpose medium commonly used in microbiology laboratories to isolate and cultivate a wide range of microorganisms, including fastidious and non-fastidious bacteria, yeasts, and molds. It provides a rich nutrient supporting the growth of various microorganisms. Trypticase Soy Agar is also a versatile medium that can be used for various purposes, including maintenance of stock cultures, plate counting, and as a base for other specialized media by incorporating blood or other supplements. The formulation of the Trypticase Soy Agar medium contains a combination of casein and soy peptones supplying organic nitrogen, particularly amino acids, and longer chained peptides. Sodium chloride maintains the osmotic equilibrium, and the natural sugars from soy peptone are the energy sources.

Approximate formulation *Per Liter:

Tryptone	15.0g	**Sodium chloride**	5.0g
Soya peptone	5.0g	**Agar**	15.0g

pH 7.3 +/- 0.2

Procedure

Materials Provided

90mm Trypticase Soy Agar.

Materials Required But Not Provided

Ancillary culture media, reagents, and laboratory equipment as required.

Test Procedure

1. Inoculate and streak the specimen as soon as possible after it is received in the laboratory with an aseptic technique.
2. Incubate at 35 ± 2°C for 24 hours.
3. Observe the result according to user requirements.
4. Dispose of all used reagents and contaminated materials as infectious waste. Laboratories must handle and dispose of all waste safely according to regulations.

Results

Examine for fungal colonies exhibiting typical microscopic and colonial morphology. Appropriate biochemical or immunological tests may be required for final identification

Quality Control

Inoculate representative samples with the following strains. Incubate the inoculated plates at 35 ± 2°C for 24 hrs. to allow colonies to develop on the medium.

Strains	ATCC®	Growth Results
Candida albicans	10231	Growth at 24 hours
Staphylococcus aureus	25923	Growth at 24 hours
Streptococcus pyogenes	19615	Growth at 24 hours
Bacillus spizizenii	6633	Growth at 24 hours
Escherichia coli	25922	Growth at 24 hours
Uninoculated plate	-	No growth

Transportation:

Temperature fluctuations may occur during transportation. However, these fluctuations do not affect the performance, quality, or safety of the media.

Storage and Shelf Life:

Upon receipt, store plates at 2 to 8°C, in their original sleeve wrapping until just before use. Avoid freezing and overheating.

The plates may be inoculated up to the expiration date (see package label) and incubated for the recommended incubation times.

Warning and Precautions:

For in vitro diagnostic use. For Professional Use Only. Do Not Reuse.

Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration.

Limitations of the Procedure

This medium is for laboratory use only and is not intended for the diagnosis of disease or other conditions. Identifications are presumptive and colonies should be identified using appropriate methods

Reference

1. Zimbro, M. J., Power, D. A., Miller, S. M., Wilson, G. E., & Johnson, J. A. (Eds.). (2009). *Difco™ and BBL™ manual: Manual of microbiological culture media* (2nd ed.). Becton, Dickinson and Company.

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Packaging Symbol

Symbol	Definition
	Catalogue number
	In Vitro Diagnostic Medical Device
	Batch code
	Date of manufacture
	Temperature limit
	Use-by date
	Keep away from sunlight
	Do not re-use
	Fragile, handle with care
	Consult instructions for use or consult electronic instructions for use
	Do not use if packaging damaged and consult instructions for use
	Manufacturer

Further Information:

For further information please contact your Biomed MDX representative.

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