

# TRYPTIC SOY AGAR (TRIPLE BAG)

**INTENDED USE:**

Tryptic Soy Agar (TSA, Casein Soya Bean Digest Agar) is a complex medium for the cultivation and isolation of fastidious bacteria, yeasts and moulds. Tryptic Soy Agar is not intended for use in the diagnosis of disease or other conditions in humans. It can be used to improve bacterial cultures.

**PRINCIPLE AND INTERPRETATION:**

The composition of the base culture medium complies with the recommendations of the United States Pharmacopeia and the European Pharmacopeia. In Tryptic Soy Agar, the combination of casein and soya peptones renders the medium nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides Sodium chloride maintains the osmotic equilibrium.

**COMPOSITION:**

Ingredients	Gr/Liter
Peptone from casein	15 gr
Soya peptone	5 gr
Sodium chloride	5 gr
Agar	15 gr

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

pH: 7,3 ± 0,2

**PRECAUTIONS:**

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

**TEST PROCEDURE:**

If the agar plate has been refrigerated, allow to warm to room temperature before inoculation. Mediums used in environmental control (active air, surface control, open petri dishes and personnel) are incubated for 48 hours at 30-35 ° C and 72 hours at 20-25 ° C.

**QUALITY CONTROL:****1.Sterility Control:**

Incubation 72 hours at 20-25°C and 48 hours at 30-35°C: NO GROWTH

**2.Physical/Chemical Control**

pH: 7,3 ± 0,2

Apperance: Light amber

**3.Microbiological Control:** Incubation 72 hours at 20-25°C and 48 hours at 30-35°C

Microorganism	Inoculum (CFU)	Results	
		Growth	Reaction
Bacillus subtilis ATCC 6633	10-100	Good	>70 %
Staphylococcus aureus ATCC 6538	10-100	Good	>70 %
Candida albicans ATCC 10231	10-100	Good	>70 %
Pseudomonas aeruginosa ATCC 9027	10-100	Good	>70 %
Aspergillus brasiliensis ATCC 16404	10-100	Good	>70 %
Escherichia coli ATCC 8739	10-100	Good	>70 %
Staphylococcus epidermidis ATCC 12228	10-100	Good	>70 %

**STORAGE CONDITIONS AND SHELF LIFE:**

Store the prepared medium at 2-12°C or 2-25°C. Use before expiry date on the label. Do not use beyond stated expiry date.

## DISPOSAL:

Incubated prepared medium may contain active bacteria and micro-organisms. Do not open infected medium. Infected plate should be autoclaved, incinerated or opened and soaked in a chlorine-based disinfectant (liquid bleach) for 20 minutes prior to disposal.

## PACKAGING:

**Katalog Number:** 02065

**Packaging:** Triple wrap/Gamma irradiated

**Content:** 10 plates/each package

## REFERENCES:

1. U.S. Pharmacopeial Convention, Inc. 1994. The U.S. Pharmacopeia 24/The national formulary 19-1999. U.S. Pharmacopeial Convention, Inc., Rockville, Md.
2. Council of Europe, 2002. European Pharmacopoeia, 4th edition, and Supplement 4.2. European Pharmacopoeia Secretariat. Strasbourg/France.
3. MacFaddin, J.F. 1985. Media for isolation-cultivation- identification-maintenance of medical bacteria, vol. 1, Williams & Wilkins, Baltimore. BA-256665.02 - 4 -
4. Baron, E.J., L.R. Peterson, and S.M. Finegold. 1994. Bailey & Scott's diagnostic microbiology, 9th ed. Mosby-Year Book, Inc., St. Louis.
5. Nash, P., and M.M. Krenz. 1991. Culture media. In: A. Balows, W.J. Hausler, Jr., K.L. Herrmann, H.D. Isenberg, and H.J. Shadomy (ed.), Manual of clinical microbiology, 5th ed. American Society for Microbiology, Washington, D.C.
6. Eaton, A.D., L.S. Clesceri, and A.E. Greenberg (ed.). 1995. Standard methods for the examination of water and wastewater, 19th ed. American Public Health Association, Washington, D.C.



Aseptic Sterile



Batch Code



Catalogue Number



Negative Controls



Positive Controls



Use by



Temperature  
Limitation



Do not reuse



Contains sufficient  
for <n> tests



Look at user manual



Manufacturer



CE Mark



In Vitro Diagnostic