

TRYPTIC SOY AGAR W/ NEUTRALISANT

INTENDED USE:

Tryptic Soy Agar w/ Neutralisant is used for the isolation of microorganisms from surfaces sanitized with quaternary ammonium compounds.

PRINCIPLE AND INTERPRETATION:

The unsupplemented medium is not used as a primary isolation medium for clinical applications.

In Tryptic Soy Agar, the combination of casein and soy peptones renders the medium nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides. Sodium chloride maintains the osmotic equilibrium. The addition of neutralizing agents TL (Tween 80 - Lecithin) may inactivate a variety of disinfectants. The combination of lecithin and Tween 80 neutralizes the quaternary ammonium compounds. The Tween 80 neutralizes hexachlorophene and mercurial derivatives. Lecithin neutralizes chlorhexidine. Agar is the solidifying agent.

COMPOSITION:

Ingredients	Gr/Liter
Pancreatic digest of casein	15 gr
Enzymatic* digest of soya bean	5 gr
Sodium chloride	5 gr
Tween 80	5 gr
Lecithin	0,7 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:

Refer to appropriate references for specific procedures using Tryptic Soy Agar w/ Neutralisant or environmental monitoring.

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

Incubation 2d at 30-35°C and 3d at 20-25°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,3 ± 0,2

Appearance: Light amber

3.Microbiological Control: Incubation 24-48 h at 35±2 °C and 5d at 25±2 °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 %

LIMITATIONS OF THE PROCEDURE:

Due to nutritional variation, some strains may be encountered that grow poorly or fail to grow on this medium.

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:











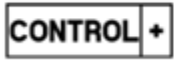
Katalog Number: 02048

Packaging: Single wrap

Content: 10 plates/each package

REFERENCES:

1. Leavitt, J. M., I. J. Naidorf and P. Shugaevsky. 1955. The undetected anaerobe in endodontics: a sensitive medium for detection of both aerobes and anaerobes. The NY J. Dentist. 25:377-382.
2. Orth, D. S. 1993. Handbook of cosmetic microbiology. Marcel Dekker, Inc., New York, NY.
3. Quisno, R., I. W. Gibby, and M. J. Foter. 1946. A neutralizing medium for evaluating the germicidal potency of the quaternary ammonium salts. Am. J. Pharm. 118:320-323.
4. Erlandson, A. L., Jr., and C. A. Lawrence. 1953. Inactivating medium for hexachlorophene (G-11) types of compounds and some substituted phenolic disinfectants. Science 118:274-276.
5. Brummer, B. 1976. Influence of possible disinfectant transfer on Staphylococcus aureus plate counts after contact sampling. App. Environ. Microbiol. 32:80-84.
6. Favero (chm.). 1967. Microbiological sampling of surfaces – a state of the art report. Biological Contamination Control Committee, American Association of Contamination Control. Washington, D.C.

	Aseptic Sterile		Use by		Look at user manual
	Batch Code		Temperature Limitation		Manufacturer
	Catalogue Number		Do not reuse		
	Negative Controls		Contains sufficient for <n> tests		
	Positive Controls				