

TRYPTIC SOY AGAR WITH PENASE + NEUTRALISANT

INTENDED USE:

Tryptic Soy Agar (TSA, Casein Soya Bean Digest Agar) is a general purpose medium for environmental monitoring with inactivation of penicillins and disinfectants.

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 soy peptones renders the medium nutritious by supplying organic nitrogen, particularly amino acids and longer-chained peptides Sodium chloride maintains the osmotic equilibrium. Tryptic Soy Agar with Penicillinase and neutralizers is used for Hygiene Monitoring (Environmental Monitoring) of air (active air samplers) on surfaces and personnel in the presence of penicillins. The addition of the neutralizing agents (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.

COMPOSITION:

Ingredients	Gr/Liter
Peptone from casein	15 gr
Soya peptone	5 gr
Sodium chloride	5 gr
Tween 80	5 gr
Lecithin	0,7 gr
Penicillinase	10.000.000 IU
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 3d at 20-25°C and 2d at 30-35°C: NO GROWTH

2.Physical/Chemical Control

pH: 7,3 ± 0,2

Appearance: Light amber

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

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: 02049

Packaging: Single wrap

Content: 10 plates/each package

REFERENCES:

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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