

Prepared Plates

Tryptone Soya Agar with Neutralizers and Penase

Technical Sheet

Use

- A general purpose medium used for cultivation of a wide variety of microorganisms from pharmaceutical products in accordance to microbial limit testing by harmonized system of USP/BP/EP/JP.

Principle

The combination of Casein enzymic hydrolysate and papaic digest of soyabean meal makes these media nutritious by providing amino acids and long chain peptides for the growth of microorganisms. Dextrose and dipotassium phosphate serves as the carbohydrate source and the buffer in the medium. Sodium chloride maintains osmotic balance in both the media. Additionally contains 4 neutralizing agents.

Formula

Peptone from casein	15.00 gr/l
Peptone from soymeal	5.00 gr/l
Sodium chloride	5.00 gr/l
Agar	15.00 gr/l
Tween 80	5.00 gr/l
Lecithin	0.70 gr/l
Histidine	0.50 gr/l
Sodium thiosulfate	0.50 gr/l
Penase (10,000,000 IU/mL)	5.00 ml/l

Warning

- For industrial use only.
- Follow proper, established laboratory procedures in handling and disposing of infectious materials.

Directions

Sowing: By direct inoculation of the material under study, on the surface culture medium.

Incubation: Aerobically at 35-37 °C for 18 to 24 hours.

Interpretation of results: After incubation, it is desirable to have isolated colonies of organisms from the original sample. Subculture colonies of interest so that positive identification can be made by means of biochemical and/or serological testing.

Limitations

- 1) Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

QC Test

Q.C. Test Microbiological

Cultural characteristics observed after 24 hs at 33 - 35°C; aerobic	
MICROORGANISMS (ATCC)	RECOVERY RATE
<i>Staphylococcus aureus</i> (6538)	≥ 70%
<i>Escherichia coli</i> (25922)	≥ 70%
<i>Pseudomonas aeruginosa</i> (9027)	≥ 70%
<i>Bacillus subtilis</i> (6633)	≥ 70%
<i>Candida albicans</i> (10231)	≥ 70%
<i>Aspergillus brasiliensis</i> (16404)	≥ 70%

Cultural characteristics observed after 72 hs at 37°C	
STERILITY	RECOVERY RATE
	No growth
pH (post autoclaving/heating):	7.3 ± 0.2

Storage

Store between 10 to 25°C

Code

B90TSANP-20
B90TSANP

Packing

Box x 20 units (90mm diameter plates)
Box x 100 units (90mm diameter plates)