MICROCLAR

Prepared Plates

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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.

Formula

Pancreatic digest of Casein	15.00 gr/l
Papaic digest of soyabean meal	5.00 gr/l
Sodium chloride	5.00 gr/l
Agar	15.00 gr/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.

QC Test

Q.C. Test Microbiological

Cultural characteristics observed after 24 hs at 33 - 35°C; aerobic	
MICROORGANISMS (ATCC)	RECOVERY RATE
Staphylococcus aureus (6538)	≥ 70%
Escherichia coli (25922)	≥ 70%

Cultural characteristics observed after 72 hs at 37°C	
	RECOVERY RATE
STERILITY	No growth

pH (post autoclaving/heating):	7.3 ± 0.2

Storage

Store between 10 to 25°C

Code	Packing
B90TSA-20	Box x 20 units (90mm diameter plates)
B90TSA	Box x 100 units (90mm diameter plates)

Limitations

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

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