

Specification

General purpose solid medium containing animal and plant peptone according to Pharmacopoeial Harmonised Method and ISO Standards.

Presentation

20 Tubes / Slant
Tube 16 x 113 mm
with: 6,2 ± 0,3 ml

Packaging Details

1 box with 20 tubes, 16x113 mm glass tubes, ink
labelled and metal cap.

Shelf Life

12 months

Storage

8-25°C

Composition

Composition (g/l):

Peptone from casein 15.00
Soya peptone..... 5.00
Sodium chloride..... 5.00
Agar..... 15.00

Description /Technique

Description

TSA is a widely used medium containing two peptones which support the growth of a wide variety of organisms, even that of very fastidious ones such as Neisseria, Listeria, Brucella, etc. It is frequently used for routine diagnostic purposes due to its reliability and its easily reproducible results.

Technique

This medium can be inoculated directly or after enrichment broth.

Spread the tube by streaking methodology.

The inoculated plates are incubated at 30-35 ° C for 24-72 h (bacteria) and 3-5 days for fungi (yeast & molds). Examined daily. (Incubation times greater than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications).

Each laboratory must evaluate the results according to their specifications.

Quality control

Physical/Chemical control

Color : Straw-coloured yellow pH: 7.3 ± 0.2 at 25°C

Microbiological control

Growth Promotion Test according to harmonized pharmacopoeial monographs and test methods & ISO 11133:2014

Loop spreading

Aerobiosis. Incubation at 30-35 °C. Read after 18-24h to 72 h for bacteria and 3-5 days for fungi.

Microorganism

Escherichia coli ATCC® 8739, WDCM 00012

Staphylococcus aureus ATCC® 6538, WDCM 00032

Bacillus subtilis ATCC® 6633, WDCM 00003

Candida albicans ATCC® 10231, WDCM 00054

Ps. aeruginosa ATCC® 9027, WDCM 00026

Aspergillus brasiliensis ATCC® 16404, WDCM 00053

Salmonella typhimurium ATCC® 14028, WDCM 00031

L. monocytogenes ATCC® 13932, WDCM 00021

Bacillus cereus ATCC® 11778, WDCM 00001

Growth

Good (≥70 %)

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Good (≥70 %)

Sterility Control

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

Check at 7 days after incubation in same conditions

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