

Reference: 0836

Technical Data Sheet

Product: TSA DOUBLE WRAPP. IRRADIATED

Specification

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

Presentation

20 Plates /Irradiated 90 mm - Double wrapping with: 21 ± 2 ml

Packaging Details

1 box with 2 cellophane bags (double wrapping) with 10 plates/bag. Side labeling. Every pack exhibitis a irradiation indicator stacked on the side of the bag.(8-14kGy).

3,5 months

Shelf Life

Storage

2-14 ºC

Composition

Composition (g/l):	
Peptone from casein	15.00
Soya peptone	5.00
Sodium chloride	
Agar	15.00

Description / Technique

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.

This medium can be inoculated directly or after enrichment broth.

Spread the plates by streaking methodology or by spiral method.

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 then 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

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

Microbiological control

Growth Promotion Test 50-100 CFU according to harmonized pharmacopoeial monographs and test methods & ISO 11133:2014/A1:2018

Spiral Spreading: Practical range 50 - 100 CFU (productivity).

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

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

Microorganism Growth Good (≥70%) Escherichia coli ATCC® 8739, WDCM 00012 Staphylococcus aureus ATCC® 6538, WDCM 00032 Good (≥70%) Bacillus subtilis ATCC® 6633, WDCM 00003 Good (≥70%) Candida albicans ATCC® 10231, WDCM 00054 Good (≥70%) Ps. aeruginosa ATCC® 9027, WDCM 00026 Good (≥70%) Aspergillus brasiliensis ATCC® 16404, WDCM 00053 Good (≥70%) Salmonella typhimurium ATCC® 14028, WDCM 00031 Good (≥70%) L. monocytogenes ATCC® 13932, WDCM 00021 Good (≥70%) Clostridium perfringens ATCC® 13124, WDCM 00007 (37ºC) Good (≥70%) Clostridium sporogenes ATCC® 19404, WDCM 00008 Good (≥70%) Stph. aureus ATCC® 25923, WDCM 00034 Good (≥70%)

Sterility Control

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

Check at 7 days after incubation in same conditions.

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