

## Specification

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

## Presentation

20 Plates/Ird  
90 mm - Triple Wrapping  
with: 21 ± 2 ml

### Packaging Details

1 box with 2 BOPP bags (triple wrapping) with 10 plates/bag. Every pack exhibits a irradiation indicator stacked on the side of the bag (8-14 KGy) with desiccant.  
LATERAL LABELLING

### Shelf Life

9 months

### Storage

15-25 °C

## Composition

Composition (g/l):

Peptone from casein .....	15.0
Soya peptone.....	5.00
Sodium chloride.....	5.00
Agar.....	15.0

## 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 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 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.

**Attention:** Petri plates are used for monitoring the microbiological contamination of surface and air inside cleanrooms, isolators, RABS, food industries and hospitals. The double/triple irradiated wrapping ensures that the package itself doesn't contaminate the environment as the first wrapper is removed just before entering the clean area.

Wrapping resistant to hydrogen peroxide vapors penetration.

**Quality control**
**Physical/Chemical control**

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

**Microbiological control**

Growth Promotion Test 50-100 CFU according to harmonized Pharmacopoeia monographs (EP) 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 30-35-37 °C. Read after 18-24 h to 72 h for bacteria and 3-5 days for fungi.

**Microorganism**
**Growth**

<i>Escherichia coli</i> ATCC® 8739, WDCM 00012	Good (≥70%)
<i>Staphylococcus aureus</i> ATCC® 6538, WDCM 00032	Good (≥70%)
<i>Bacillus subtilis</i> ATCC® 6633, WDCM 00003	Good (≥70%)
<i>Candida albicans</i> ATCC® 10231, WDCM 00054	Good (≥70%)
<i>Ps. aeruginosa</i> ATCC® 9027, WDCM 00026	Good (≥70%)
<i>Salmonella typhimurium</i> ATCC® 14028, WDCM 00031	Good (≥70%)
<i>Aspergillus brasiliensis</i> ATCC® 16404, WDCM 00053	Good (≥70%)
<i>L. monocytogenes</i> ATCC® 13932, WDCM 00021	Good (≥70%)
<i>Bacillus cereus</i> ATCC® 11778, WDCM 00001	Good (≥70%)
<i>Enterococcus faecalis</i> ATCC® 29212, WDCM 00087	Good (≥70%)
<i>Clostridium perfringens</i> ATCC® 13124, WDCM 00007	Good (≥70%)
<i>Clostridium sporogenes</i> ATCC® 19404, WDCM 00008	Good (≥70%)
<i>Stph. aureus</i> ATCC® 25923, WDCM 00034	Good (≥70%)
<i>Escherichia coli</i> ATCC® 11775, WDCM 00090	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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