Condalab

**Reference:** 0839 **Technical Data Sheet**

**Product:** TRYPTONE SOYA AGAR) Triple Wrapped Irradiated

## Specification

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

## Presentation

| | Packaging Details | Shelf Life | Storage |
|---|---|---|---|
| 20 Plates/Irradiated<br>90 mm - Triple Wrapping<br>with: 21 ± 2 ml | 1 box with 3 cellophane bags (triple wrapping) with 10 plates/bag. Every pack exhibitis a irradiation indicator stacked on the side of the bag (8-14 KGy). | 3,5 months | 2-14°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 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.

**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.

## 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
Spiral Spreading: Practical range 50 - 100 CFU (Productivity).
Aerobiosis.Incubation at 30-35 °C. Read after 18-24h to 72 h for bacteria and 3-5 days for fungi.

| Microorganism | Growth |
|---|---|
| *Escherichia coli* ATCC® 8739, WDCM 00012 | Good (≥70 %) |
| *Staphylococcus aureus* ATCC® 6538, WDCM 00032 | Good (≥70 %) |
| *Bacillus subtilis* ATCC® 6633, WDCM 00003 | Good (≥70 %) |
| *Candida albicans* ATCC® 10231, WDCM 00054 | Good (≥70 %) |
| *Aspergillus brasiliensis* ATCC® 16404, WDCM 00053 | Good (≥70 %) |
| *Ps. aeruginosa* ATCC® 9027, WDCM 00026 | Good (≥70 %) |
| *L. monocytogenes* ATCC® 13932, WDCM 00021 | Good (≥70 %) |
| *Salmonella typhimurium* ATCC® 14028, WDCM 00031 | 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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