

PRODUCT CODE: 453819

Tryptone Soy Agar (TSA) (Ph. Eur.) (Prepared Plate (Ø 90 mm)) for microbiology

Specification

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

Presentation

20 Prepared Plates	Packaging Details	Shelf life	Storage
90 mm with: 21 ± 2 ml.	1 box with 2 packs of 10 plates/pack. Single cellophane.	3 months	2-14°C

Description and 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. Classical media for microbiological examination of non-sterile products according to Pharmacopoeial Harmonised Methods.

Technique

This medium can be inoculated directly or after enrichment broth. Spread the plates by streaking methodology or by spiral method. Incubate the plates right side up aerobically at 30-35°C for 24-72h (bacteria) 3-5 days (fungi). (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	Microbiological control	Sterility control
Color: Straw-coloured yellow pH: 7.3 ± 0.2 at 25°C	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.	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

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 %)

JM180912