

Product: Tryptone Soy Agar (TSA) Penase (Ph. Eur.) triple wrap, for microbiology
Specification

General purpose medium for isolation and culture of microorganisms with Penicillinase.

Presentation

20 Plates/Irradiated
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.

Shelf Life

8 months

Storage

15-25 °C

LATERAL LABELLING

Composition

Composition (g/l):
Peptone from casein 15.0
Soya peptone..... 5.0
Sodium chloride..... 5.0
Agar..... 15.0
Penicillinase to inactivate:
10.000.000 UI PenG/L/min

Description /Technique
Description:

Soy Trypticase Agar with Penicillinase is used in the environmental monitoring of air and surfaces in areas where there may be contaminations or residues of penicillins or cephalosporins.

This widely used culture medium contains soya and casein peptones in proven proportions to support the growth of most microorganisms, including some very fastidious ones. It has been formulated according to the harmonized method of pharmacopoeias and ISO standards and is regularly used in routine diagnostic work for its reliability in the morphological aspects and reproducibility of the results. Penicillinase ensures the inactivation of penicillins or cephalosporins that may be present in the air or surfaces to be sampled, allowing the growth of organisms sensitive to these antibiotics.

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.

Technique:

In the microbiological control of cleaning and disinfection of smooth surfaces in the "clean zones" the contact plates are used as a plug or copy-pad which acts simultaneously as a sampler and culture medium to be incubated, without other intermediate operations.

However, if the surfaces to be sampled are rough, it is preferable to delimit a surface (eg 5 x 5 cm) and thoroughly rub it with a moist, sterile swab that will be used immediately to inoculate the surface of the plate.

At the time of using the plates, the outer shell is removed, the plate is opened and the surface of the culture medium is inoculated with the swab. The plate is covered to avoid contamination, labeled appropriately with the data (place, date and time) of the sample. The inoculated plates are incubated at 30-35 ° C for 24-72 h (bacteria) and 3-5 days for fungi (yeast & molds). Examined daily.

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Wrapping resistant to hydrogen peroxide vapors penetration.

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Quality control
Physical/Chemical control

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

Microbiological control

Control post addition of Penicillin - According to harmonized pharmacopoeial monographs and test methods

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

Escherichia coli ATCC® 8739, WDCM 00012
Staphylococcus aureus ATCC® 6538, WDCM 00032
Bacillus subtilis ATCC® 6633, WDCM 00003
Candida albicans ATCC® 10231, WDCM 00054
Aspergillus brasiliensis ATCC® 16404, WDCM 00053
Ps. aeruginosa ATCC® 9027, WDCM 00026
Penicillin Inactivation test

Growth

Good (≥70%)
 Good (≥70%)
 Good (≥70%)
 Good (≥70%)
 Good (≥70%)
 Good (≥70%)
 Correct - Penase content verified

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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