

Reference: 250793ZI

Technical Data Sheet

Product: Cetrimide Agar

Specification

Medium for selective isolation of *Pseudomonas aeruginosa* on monitorised surfaces according to harmonized pharmacopoeial monographs and test methods.

Presentation

30 Contact Plates/Ird. Contact Plates - Double Wrapping with: 15 ± 2 ml

Composition

| Composition (g/l): | |
|--------------------|----------|
| Gelatin peptone | |
| Magnesium chloride | 1.40 |
| Potassium sulfate | |
| Glycerol | 10.00 ml |
| Cetrimide | 0.30 |
| Agar | |

Packaging Details

1 box with 5 blisters (base of aluminium, PVDC and bag) with 6 contact plates/blister. Every pack exhibitis an irradiation indicator (8-14kGy).

Shelf LifeStorage7 months2-25 °C

Description /Technique

Contact plates are used in the microbiological control of disinfection and cleaning of surfaces. It acts simultaneously as a sampler and incubation culture medium without the need for any other intermediate steps.

The plates come in a form appropriate for this function and can be used with different culture media depending on the type of microbe that needs to be controlled. On average the plates provide a contact surface of approximately 25 cm2.

To use, remove the cover and gently press the culture medium on the surface to be controlled, ensuring contact between the two surfaces. The Contact plate is removed and covered with the lid to prevent air contamination. It is advisable that the lid is secured with adhesive tape and the bottom labelled with the sampling data (place, date and time).

If the sample surfaces are rough, the contact plates will not make good contact, even when the pressure is increased. In these cases it is advisable to delineate an sample surface area of 25 cm squared and rub this area vigorously with a wet sterile swab and then rub the swab over the Contact plate.

If verifying the effectiveness of a cleaning or disinfection process, contact plates should be used within two hours after the end of the process, ensuring that the sample surface is dry. It is advisable to always include positive controls, sampling the area before disinfection or dirty areas beside the disinfected area.

The technician will determine the frequency of sampling and disinfection according to performance criteria. Apply the agar directly onto surface to be monitored ensuring that the pressure is distributed over the whole plate for 10 seconds. Clean the surface where the sample was collected in order to remove any traces of agar.

The inoculated plates are incubated at 30-35 ° C for 18-72 hours and examined daily.

Note: Contact 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 : Off-white / opalescent pH: 7.2 ± 0.2 at 25°C

Microbiological control

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

Inoculate MF: 50-100 CFU (productivity)/ 103-104 CFU (selectivity).

Aerobiosis. Incubation at 30-35°C. Reading at 18-72h

Microorganism

Escherichia coli ATCC[®] 8739, WDCM 00012 Ps. aeruginosa ATCC[®] 9027, WDCM 00026 Ps. aeruginosa ATCC[®] 27853, WDCM 00025 Ps. aeruginosa ATCC[®] 10145, WDCM 00024

Growth

Inhibited

Good (\geq 50%) Green-yellowish to dark green colonies Good (\geq 50%) Green-yellowish to dark green colonies Good (\geq 50%) Green-yellowish to dark green colonies

Sterility Control

Incubation 48 hours at 30-35 $^{\circ}$ C and 48 hours at 20-25 $^{\circ}$ C: NO GROWTH. Check at 7 days after incubation in same conditions.



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Bibliography

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