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

	Packaging Details	Shelf Life	Storage
30 Contact Plates/Ird. Contact Plates - Double Wrapping with: 15 ± 2 ml	1 box with 5 blisters (PET laminated and PPBO bag) with 6 contact plates/blister. Every pack exhibitis an irradiation indicator (8-14kGy).	7 months	2-25 ºC

Composition

Composition (g/l):

Gelatin peptone	20.00
Magnesium chloride	1.40
Potassium sulfate	10.0
Glycerol	10.00 ml
Cetrimide	0.30
Agar	13.60

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.

The plates must be kept in their original packaging (blisters) to guarantee their stability at the end of their expiration date.

VWR International LLC, Radnor Corporate Center, Building One, Suite 200, 100 Matsonford Road Radnor, PA 19087
VWR International bv - Haasrode Research Park, Zone 2020 - Geldenaaksebaan 464 - BE-3001 Leuven
www.vwr.com

Quality control

Physical/Chemical control

Color : Off-white / opalescent pH: 7.2 ± 0.2 at 25ºC

Microbiological control

Inoculate MF: 10-100 CFU (productivity)/ 100-1000 CFU (selectivity), according to harmonized pharmacopoeial monographs

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 30-35ºC. Reading at 18-72h

Microorganism	Growth
Escherichia coli ATCC® 8739, WDCM 00012	Inhibited
Ps. aeruginosa ATCC® 9027, WDCM 00026	Good (≥ 50%) Green-yellowish to dark green colonies
Ps. aeruginosa ATCC® 27853, WDCM 00025	Good (≥ 50%) Green-yellowish to dark green colonies
Ps. aeruginosa ATCC® 10145, WDCM 00024	Good (≥ 50%) Green-yellowish to dark green colonies

Sterility Control

Incubation 48 h at 30-35 ºC and 48 h at 20-25 ºC: NO GROWTH.
Check at 7 days after incubation in same conditions.

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