

Reference: 4524 Technical Data Sheet

Product: VIOLET RED BILE GLUCOSE AGAR (VRBG)

Specification

Selective solid medium for the enumeration of enterobacteria, according to ISO standard 21528 and Pharmacopeial Harmonised Methods.

Presentation

30 Contact Plates Packaging Details Shelf Life Storage
Contact Plates - Double Wrapping 1 box with 5 blisters (base of aluminium, PVDC and with: 15 ± 2 ml bag) with 6 contact plates/blister.

Composition

3.000
7.000
1.500
10.000
5.000
0.030
0.002
13.000

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 35±2 ° C for 24±2 h.

Note: Contact plates are used for monitoring the microbiological contamination of surface and air inside cleanrooms, isolators, RABS, food industries and hospitals.

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Good (50%)- Red purple colonies - Biliar precipitate

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Quality control

Physical/Chemical control

Color : Violet-pink pH: 7.4 ± 0.2 at 25° C

Microbiological control

Inoculate with 10-100 CFU according to harmonized Parmacopoeiae or with 10⁴-10⁶ CFU for Selectivity.

Microbiological control according to ISO 11133:2014/ Adm 1:2018.

Aerobiosis. Incubation: 30-35°C. Reading at 24h (E.P.) / 37±1°C. Reading at 24 h (ISO)

Microorganism

Enterococcus faecalis ATCC® 19433, WDCM 00009 Inhibited

Salmonella typhimurium ATCC® 14028, WDCM 00007

Good (50%)- Red purple colonies - Biliar precipitate

Ps. aeruainosa ATCC[®] 9027, WDCM 00026 Escherichia coli ATCC[®] 8739, WDCM 00012

Staphylococcus aureus ATCC® 6538, WDCM 00012

Escherichia coli ATCC® 25922, WDCM 00013

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

Bibliography

· EUROPEAN PHARMACOPOEIA 8.0 (2014) 8th ed. § 2.6.13. Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. EDQM. Council of Europe. Strasbourg.

Growth

Good

Inhibited

- · ISO Norma 21528-1: 2004. Microbiology of food and animal feeding stuffs Horizontal methods for the detection and enumeration of Enterobacteriaceae Part 1: Detection and enumeration by MPN technique with pre-enrichment.
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