

Reference: 6089

Technical Data Sheet

Product: SELECTIVE SUPPLEMENT FOR BURKHOLDERIA CEPACIA (BCSA) USP

Specification

Selective supplement for the isolation of Burkholderia cepacia in water, cosmetics and other samples.

Presentation

10 Freeze dried vials Packaging Details Shelf Life Storage
Vial 23x60 mm glass vials, tag labelled, White plastic cap - 10 vials per box. 49 months 2-25 °C

with: 3 ± 0.1 g

Composition

Note: Each vial is sufficient to supplement 500 ml of medium Base for *Burkholderia cepacia spp.*

Reconstitute the original freeze-dried vial by adding 1 vial with sterile

distilled water...... 6 ml

Description / Technique

Description:

BCSA selective supplement is added to Burkholderia cepacia Agar Base in order to obtain a complete medium suitable for the isolation of Burkholderia cepacia.

The detection of Burkholderia cepacia is important in water systems, particularly where the water is to be used for the preparation of pharmaceuticals and cosmetics. The organism is resistant to many commonly-used disinfectants.

Technique

Collect, dilute and prepare samples and volumes as required according to specifications, directives, official standard regulations and/or expected results.

Once solidified on a flat surface, spread the plate streaking methodology or by spiral method.

Reconstitute the vial with 6 ml of steril distilled water in aseptic conditions and add it to 500 ml of sterilized BCSA Agar base cooled to 50°C.

Do not overheat once suplemented.

Once solidified on a flat surface, spread the plates by streaking methodology or by spiral method.

Incubate the plates right side up aerobically at 33-37°C for 48-72h.

(Incubation times longer than those mentioned above or different incubation temperatures mey be required depending on the sample, on the specifications, etc.)

After incubation, enumerate all the colonies that have appeared onto the surface of the agar.

Each laboratory must evaluate the results according to their specifications.

Precautions

Do not reuse. For professional use only.

Do not use the product if it shows evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

Page 1 / 2 Revision date: 03/03/25



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Quality control

Physical/Chemical control

pH: at 25°C Color: White-Gray

Microbiological control

Reconstitute 1 vial as indicated in COMPOSITION; shake and dissolve completely

Add 1 vial to 500 ml of medium base. DO NOT HEAT once supplemented.

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

Aerobiosis. Incubation at 30-35 °C. Reading at 24-48 until 72 h

According to ISO 11133 & USP Pharmacopeia

Microorganism

Burkholderia cepacea ATCC® 25416 Burkholderia cepacea ATCC® 25608 Staphylococcus aureus ATCC® 6538, WDCM 00032 Ps. aeruginosa ATCC® 9027, WDCM 00026 Burkholderia cenocepacia ATCC® BAA-245 Burkholderia multivorans ATCC® BAA-247

Sterility Control

Add 5mL of the sample to 100 mL of TSB and to 100 mL Thioglycollate. 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.

Growth

Good (≥50%) - Greenish-brown colonies with vellow halo Good (≥50%) - Greenish-brown colonies with yellow halo Inhibited Inhibited Good (≥50%). White colonies Good (≥50%). White colonies surrounded by red zone

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Page 2 / 2 Revision date: 03/03/25