

Burkholderia Selective Supplement I**Intended Use**

An antibiotic supplement recommended for selective and differential isolation of *Burkholderia cepacia*.

Summary

The combination of Gentamicin, Vancomycin and Polymyxin B facilitates the selective growth of *Burkholderia cepacia*.

Principle

Vancomycin, Polymyxin B and Gentamycin agent is used as selective agents, which inhibit organisms commonly found in respiratory secretions other than *B. cepacian* complex.

Reagents / Contents (each vial is sufficient to supplement 1000 mL of medium)

Gentamicin	10.0 mg
Vancomycin	2.5 mg
Polymyxin B	600,000 IU

Storage and Stability

1. Store the Microxpress® Burkholderia Selective Supplement I kit at 2°C-8°C, away from light.
2. Stability of the Microxpress® Burkholderia Selective Supplement I kit is as per the expiry date mentioned on the label.

Directions

1. Asceptically add 10 mL demineralized water in 1 vial of supplement.
2. Mix well, filter sterilize and add it to 990 mL sterile, molten, cooled (45°C-50°C) Burkholderia Cepacia Selective Agar Base USP (201020760500).
3. Mix well and pour into sterile petriplates.

Interpretation of results

Refer to appropriate references and procedures for results.

Quality Control

Cultural characteristics observed, with addition of Burkholderia Selective Supplement I in Burkholderia Cepacia Selective Agar Base USP, after an incubation of at 35°C-37°C for 48-72 hours.

Organism (ATCC)

Organism (ATCC)	Growth
<i>Burkholderia cepacia</i> (25416)	Good
<i>Burkholderia cenocepacia</i> (BAA-245)	Good
<i>Burkholderia multivorans</i> (BAA-247)	Good
<i>Burkholderia cenocepacia</i> (25608)	Good
<i>Pseudomonas aeruginosa</i> (9027)	Inhibited
<i>Staphylococcus aureus</i> subsp. <i>aureus</i> (6538)	Inhibited

Remarks

1. Do not use cracked or broken vials.
2. Good laboratory practices and hazard precautions must be observed at all times.

Warranty

This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

References

1. Isenberg (Ed.), 2004, Clinical Microbiology Procedures Handbook, Vol.3, American Society for Microbiology, Washington, D.C.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. The United States Pharmacopoeia-National Formulatory (USP-NF), 2022.
4. Data on file: Microxpress, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
204020770005	Media Selective Supplement	5 Vials

 Temperature limit	 Manufacturer	 LOT	Batch code	 Contains sufficient for <n> tests	 This way up
REF Catalogue Number	 Consult Instructions for use	 Use-by date	 Date of Manufacture	Media Supplements Dehydrated Culture Media Supplements for Microbiological applications	

Revision: 1125/VER-03

Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.