

## Burkholderia Selective Supplement

### Intended Use

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

### Summary

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

### Principle

Ticarcillin, Polymyxin B and Gentamicin 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 500 mL of medium)

|             |          |
|-------------|----------|
| Polymyxin B | 75000 IU |
| Gentamicin  | 2.5 mg   |
| Ticarcillin | 50 mg    |

### Storage and Stability

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

### Directions

1. Rehydrate the content of 1 vial aseptically with 2 ml sterile distilled water.
2. Mix well and aseptically add it to 500 mL sterile, molten, cooled (45°C-50°C) Burkholderia Cepacia Selective Agar Base (201020420500).
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 in Burkholderia Cepacia Agar Base, after an incubation of at 35°C - 37°C for 48-72 hours.

| 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. Data on file: Microxpress, A Division of Tulip Diagnostics (P) Ltd.

## Product Presentation:

| Cat No.      | Product description        | Pack Size |
|--------------|----------------------------|-----------|
| 204020690005 | Media Selective Supplement | 5 Vials   |

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

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## 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.