

# Liofilchem®

## Certificate of Analysis

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| Product                             | Batch     | Production date | Expiration date |
|-------------------------------------|-----------|-----------------|-----------------|
| <b>Meropenem MRP 0.002-32 µg/mL</b> | 062525035 | 25.06.2025      | 2028.06.24      |

**Ref.**

**92084 – 920840 – 920841**

### Antimicrobial Susceptibility Testing

Tested according to current CLSI methodology

| Control strains                                    | Medium                                                    | Inoculum                   | Incubation                              | Expected Results<br>MIC range (mg/L) | Results<br>MIC (mg/L) |
|----------------------------------------------------|-----------------------------------------------------------|----------------------------|-----------------------------------------|--------------------------------------|-----------------------|
| <i>Staphylococcus aureus</i><br>ATCC® 29213        | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.03–0.12                            | 0.064                 |
| <i>Enterococcus faecalis</i><br>ATCC® 29212        | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 2–8                                  | 3                     |
| <i>Escherichia coli</i><br>ATCC® 25922             | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.008–0.06                           | 0.012                 |
| <i>Pseudomonas aeruginosa</i><br>ATCC® 27853       | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.12–1                               | 0.25                  |
| <i>Escherichia coli</i><br>ATCC® 35218             | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.008–0.06                           | 0.012                 |
| <i>Escherichia coli</i><br>NCTC® 13353             | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.016–0.06                           | 0.023                 |
| <i>Klebsiella pneumoniae</i><br>ATCC® BAA-1705     | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 8–64                                 | 8                     |
| <i>Klebsiella pneumoniae</i><br>ATCC® BAA-2814     | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 32–256                               | >32                   |
| <i>Acinetobacter baumannii</i><br>NCTC® 13304      | Mueller Hinton II<br>Agar                                 | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 32–128                               | >32                   |
| <i>Streptococcus pneumoniae</i><br>ATCC® 49619     | Mueller Hinton II<br>Agar (Sheep blood<br>5%)             | 0.5 McFarland in<br>broth  | 35 ± 2°C, 5% CO <sub>2</sub><br>20-24 h | 0.03–0.25                            | 0.047                 |
| <i>Haemophilus influenzae</i><br>ATCC® 49766       | Haemophilus Test<br>Agar                                  | 0.5 McFarland in<br>broth  | 35 ± 2°C, 5% CO <sub>2</sub><br>20-24 h | 0.03–0.12                            | 0.12                  |
| <i>Bacteroides fragilis</i><br>ATCC® 25285         | Brucella Blood Agar<br>w Hemin and<br>Vitamin K1          | 1 McFarland in<br>broth    | 36 ± 1°C,<br>anaerobically,<br>24-72 h  | 0.03–0.25                            | 0.047                 |
| <i>Bacteroides fragilis</i><br>ATCC® 25285         | Fastidious Anaerobe<br>Agar w Defibrinated<br>Horse Blood | 1 McFarland in<br>saline   | 36 ± 1°C,<br>anaerobically,<br>16-20 h  | 0.03-0.25*                           | 0.047                 |
| <i>Bacteroides thetaiotaomicron</i><br>ATCC® 29741 | Brucella Blood Agar<br>w Hemin and<br>Vitamin K1          | 1 McFarland in<br>broth    | 36 ± 1°C,<br>anaerobically,<br>24-72 h  | 0.06–0.5                             | 0.094                 |
| <i>Eggerthelia lenta</i><br>ATCC® 43055            | Brucella Blood Agar<br>w Hemin and<br>Vitamin K1          | 1 McFarland in<br>broth    | 36 ± 1°C,<br>anaerobically,<br>24-72 h  | 0.125–1                              | 0.125                 |

\*Established and validated by EUCAST

### Batch Release

Approved

**Date**

27.06.2025

**Signature**

Quality Control

(This document has been  
established electronically and  
is valid without signature)

The results reported were obtained at the time of release.

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