

# Liofilchem®

## Certificate of Analysis

| Product                            | Batch     | Production date | Expiration date |
|------------------------------------|-----------|-----------------|-----------------|
| <b>Imipenem IMI 0.002-32 µg/mL</b> | 041921054 | 19.04.2021      | 2024.04.18      |

**Ref.**

**92054 – 920540 – 920541**

**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            | 0.015–0.06                           | 0.016                |
| <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            | 0.5–2                                | 0.75                 |
| <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            | 0.06–0.25                            | 0.094                |
| <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            | 1–4                                  | 1                    |
| <i>Klebsiella pneumoniae</i><br>ATCC® 700603       | Mueller Hinton II<br>Agar                        | 0.5 McFarland in<br>saline | 35 ± 2°C, ambient<br>16-20 h            | 0.03–0.25                            | 0.094                |
| <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            | 4–16                                 | 16                   |
| <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            | 16–64                                | >32                  |
| <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 | 0.25–1                               | 0.25                 |
| <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 | 0.03–0.12                            | 0.03                 |
| <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                            | 0.03                 |
| <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  | 0.25–1                               | 0.25                 |
| <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  | 0.25–2                               | 0.25                 |

**Batch Release**

Approved

**Date**

26.04.2021

**Signature**

Quality Control  
(D. Vitagliano)



The results reported were obtained at the time of release.