

# Liofilchem®

## Certificate of Analysis

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| Product                     | Batch     | Expiration date |
|-----------------------------|-----------|-----------------|
| <b>Uritest Malto</b>        | 040225098 | 2025.09.29      |
| Ref. 500402 – 51040 – 51140 |           |                 |

|                                 | Specification<br>for Sector 1<br>Mac Conkey<br>Agar | Results  | Specification<br>for Sector 2<br>Malt Selective<br>Agar | Results  | Specification<br>for Sector 3<br>CLED Agar | Results  |
|---------------------------------|-----------------------------------------------------|----------|---------------------------------------------------------|----------|--------------------------------------------|----------|
| <b>Physical quality control</b> |                                                     |          |                                                         |          |                                            |          |
| Expected pH-value (25°C)        | 7.1 ± 0.2                                           | 7.2      | 4.5 ± 0.2                                               | 4.6      | 7.3 ± 0.2                                  | 7.5      |
| Colour of medium                | Red-purple                                          | Conforms | Amber                                                   | Conforms | Green                                      | Conforms |

### Microbiological State

Sampled according to ISO 2859-1, Special Inspection Level: S-2

| Incubation              | Specification | Results  |
|-------------------------|---------------|----------|
| 35 ± 2°C (after 7 days) | No growth     | Conforms |
| 22 ± 2°C (after 7 days) | No growth     | Conforms |

All units of this batch were checked before packaging.

### Microbiological Performance

Tested according to CLSI M22-A3, EN ISO 11133

**Inoculum:** 50-100 CFU (Productivity), 10<sup>4</sup>-10<sup>6</sup> CFU (Selectivity)

**Incubation:** 35 ± 2°C, 18-24 h

| Control strains                              | Specification for<br>Sector 1<br>Mac Conkey Agar | Results  | Specification for<br>Sector 2<br>Malt Selective<br>Agar | Results  | Specification for<br>Sector 3<br>CLED Agar | Results  |
|----------------------------------------------|--------------------------------------------------|----------|---------------------------------------------------------|----------|--------------------------------------------|----------|
| <i>Escherichia coli</i><br>ATCC® 25922       | Good growth, red colonies                        | Conforms | Partial or complete inhibition                          | Conforms | Good growth, yellow colonies               | Conforms |
| <i>Proteus mirabilis</i><br>ATCC® 12453      | Good growth, colourless colonies                 | Conforms | Partial or complete inhibition                          | Conforms | Good growth, blue colonies                 | Conforms |
| <i>Klebsiella pneumoniae</i><br>ATCC® 13883  | Good growth, pink colonies                       | Conforms | Partial or complete inhibition                          | Conforms | Good growth, yellow colonies               | Conforms |
| <i>Candida albicans</i><br>ATCC® 10231       | Inhibition                                       | Conforms | Good growth, white colonies                             | Conforms | Good growth, white colonies                | Conforms |
| <i>Salmonella</i> Typhimurium<br>ATCC® 14028 | Good growth, Colourless colonies                 | Conforms | Partial or complete inhibition                          | Conforms | Good growth                                | Conforms |
| <i>Pseudomonas aeruginosa</i> ATCC® 27853    | Good growth,                                     | Conforms | Partial or complete inhibition                          | Conforms | Good growth                                | Conforms |
| <i>Enterococcus faecalis</i><br>ATCC® 19433  | Inhibition                                       | Conforms | Partial or complete inhibition                          | Conforms | Good growth, yellow colonies               | Conforms |
| <i>Staphylococcus aureus</i><br>ATCC® 25923  | Inhibition                                       | Conforms | Partial or complete inhibition                          | Conforms | Good growth, yellow colonies               | Conforms |

### Batch Release

Approved

**Date** 09.04.2025

**Signature**

The results reported were obtained at the time of release.

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