EO Labs
Microbiological Culture Media

Instructions for Use

REF - LS0064 **Aquatericin**

Freeze-Dried Supplement

1. Intended Use

LS0064 Aquatericin is an antifungal supplement used to inhibit yeast, mould and fungal growth.

2. Composition*

Ingredient	mg/vial
Each vial contains:	
Amphotericin B	50
Stabilisers	50

*Adjusted/supplemented as needed to meet performance requirements

3. Principle

LS0064 contains Amphotericin B, an antifungal, along with stabilising chemicals to allow for water-solubility.

4. Preparation Instructions

To reconstitute the contents of each vial, aseptically add the recommended volume of sterile deionised water. Close the vial and gently agitate to assist reconstitution. Avoid frothing and the resulting solution will be free from visible particulate matter.

Add the contents of the vial to the appropriate volume of sterile base medium prepared according to the instructions provided and allowed to cool to 45°C- 50°C. Mix gently but thoroughly and pour aseptically into sterile Petri dishes.

5. Physical Characteristics

	Pellet Appearance	Reconstituted
Appearance and Colour	Yellow pellet	Yellow liquid

6. Materials Provided

LS0064 Aquatericin is supplied 10 vials per box (lyophilised) (product code: LS0064-V002-50mg). Each vial is labelled with product name, product code, lot number and expiry date.

7. Materials Needed but not Provided

Standard microbiological laboratory materials e.g., sterile loops or swabs, collection containers, incubators, media for isolation and quality control organisms, sterile media.

8. Specimens

As LS0064 Aquatericin is not to be used independently and is instead designed to be added to an existing medium, Specimens will vary depending on the procedure being followed with regards to the medium being used.

9. Test Procedures and Interpretation of results

As LS0064 is not to be used independently and is instead designed to be added to an existing medium, Procedure will vary depending on the procedure being followed with regards to the medium being used.

10. Quality Control

Organism	Incubation	Result (Specificity)
C. jejuni NCTC 11322	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Grey spreading colonies
C. coli NCTC 13638	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Grey spreading colonies
A. brasiliensis NCPF 2275	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Inhibited
C. albicans NCPF 3179	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Inhibited
E. coli NCTC 12241	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Inhibited
S. cerevisiae NCPF 3178	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Inhibited
S. aureus NCTC 12981	41.5 ± 1°C microaerophilically for 44 ± 4 hours	Inhibited

It is the responsibility of the user to perform Quality Control testing taking into consideration the intended use of the medium produced, and in agreement with any local relevant guidelines (e.g., frequency, strains used, atmosphere, incubation temperature).

11. Performance

To fully verify LS0064 Aquatericin performance, dehydrated culture media samples were used to prepare E&O PP0130 Campylobacter Blood Free Agar (CCDA) and tested to assess colony morphology and recovery level (where an acceptable range is

≥50% and ≤120%) compared to a non-selective reference medium. Prepared samples were inoculated with 30-150cfu and 10^4-10^5 cfu for the non-target organisms and incubated at 41.5 ± 1°C microaerophilically for 44 ± 4 hours. All samples of prepared media produced grew and showed good recovery and the correct morphology of the required test organisms: *Campylobacter jejuni* NCTC 11322 and *Campylobacter coli* NCTC 13638. Product selectivity was evaluated by inoculating the test plates with ≥3.0 x 10^4 - ≤1.5x10^5 cfu of the required non-target test organisms: *Aspergillus brasiliensis* NCPF 2275, *Candida albicans* NCPF 3179, *Escherichia coli* NCTC 12241, *Saccharomyces cerevisiae* NCPF 3178 and *Staphylococcus aureus* NCTC 12981. Therefore, it can be concluded that LS0064 Aquatericin, meets performance criteria when used according to the instructions outlined above. Trend analysis data available upon request.

12. Limitations of the Media

As LS0064 is not to be used independently and is instead designed to be added to an existing medium, Limitations will vary depending on the procedure being followed with regards to the medium being used.

14. Precautions and Warnings

This product is considered hazardous under CLP regulations. Wear such PPE as recommended by laboratory COSHH assessment. During and after use, always handle all materials in a manner conforming to Good Laboratory Practices and consider that material under test should be regarded as a potential biohazard if mishandled.

Refer to LS0064 Aquatericin Safety Data Sheet prior to use.

Do not use if supplement is not specified colour, has been stored inappropriately or the packaging has been damaged. Once reconstituted, any unused supplement should be discarded.

15. Storage conditions and Shelf life

LS0064 Aquatericin must be stored at 2°-8°C. Kept under these conditions it may be used up to date of expiry shown on product label.

Dispose of in accordance with local and national authority requirements.

Revision

001 20/08/24 - New Document Created

*Note: minor typographical, grammatical, and formatting changes are not included in the revision history.

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TABLE OF APPLICABLE SYMBOLS

REF o REF Catalogue number	LOT Batch code		Manufacturer	Use by
Temperature limitation	Contents sufficient for <n> tests	Consult Instructions for Use	Keep away from direct light	Store in a dry place