



## KANAMYCIN SELECTIVE SUPPLEMENT

### Freeze-dried selective supplement

#### 1 - INTENDED USE

Selective supplement for culture media intended for isolation and enumeration of Enterococci.

#### 2 - COMPOSITIONS - (VIAL CONTENTS FOR 500 ML OF MEDIUM)

Kanamycin sulphate 10 mg

#### 3 - PRINCIPLE OF THE METHOD AND EXPLANATION OF THE PROCEDURE

Kanamycin Selective Supplement is a lyophilised antimicrobial compound for use as an additive to Kanamycin Aesculin Azide Agar Base<sup>1,2</sup> and E.C.O.A.gar<sup>3</sup>, for the isolation and enumeration of Enterococci in water, food and environment.

Kanamycin works by binding to the bacterial 30S ribosomal subunit, causing misreading of mRNA and leaving the bacterium unable to synthesize proteins vital to its growth.

#### 4 - DIRECTIONS FOR MEDIA PREPARATION

Aseptically reconstitute the contents of one vial with 5 mL of sterile purified water. With aseptic precautions add to 500 mL of Kanamycin Aesculin Azide Agar Base (REF 401552) or to 500 mL of E.C.O.A.gar (401430) autoclaved at 121 °C for 15 minutes and cooled to 47-50 °C. Mix well and pour into sterile Petri dishes.

#### 5 - PHYSICAL CHARACTERISTICS

Freeze-dried supplement appearance	short, dense, white pellet
Aspect of the solution	colourless, limpid

#### 6 - MATERIALS PROVIDED – PACKAGING

Product	Type	REF	Pack
Kanamycin Selective Supplement	Freeze dried supplement	4240055	10 vials, each for 500 mL of medium

#### 7 - MATERIALS REQUIRED BUT NOT PROVIDED

Basic culture media, autoclave, incubator and laboratory equipment as required, sterile loops and swabs.

#### 8 - SPECIMENS

Food, feed, food chain samples, water, environmental samples.

#### 9 - TEST PROCEDURE

For inoculation, incubation and reading procedures, please refer to the Instructions for Use of culture media mentioned above.

#### 10 - USER QUALITY CONTROL

All manufactured lots of the product are released for sale after the Quality Control has been performed to check the compliance with the specifications. However, the end user can perform its own Quality Control in accordance with the local applicable regulations, in compliance with accreditation requirements and the experience of the Laboratory. Refer to the Instructions for Use of culture media mentioned above for the suggested quality control strains.

#### 11 - LIMITATIONS OF THE METHOD

For limitations of the method, please refer to the Instructions for Use of culture media mentioned above.

#### 12 - PRECAUTIONS AND WARNINGS

- This product is for microbiological control and for professional use only; it is to be used by adequately trained and qualified laboratory personnel, observing approved biohazard precautions and aseptic techniques.
- Kanamycin Selective Supplement is not classified as dangerous according to current European legislation; consult the Safety Data Sheet before use.
- The supplement and the medium base shall be used in association according to the directions described above. Apply Good Manufacturing Practice in the production process of prepared media.
- Kanamycin Selective Supplement is sterilized by membrane filtration.
- Be careful when opening the metal ring to avoid injury.
- All laboratory specimens should be considered infectious.
- The laboratory area must be controlled to avoid contaminants such as medium powder and supplements or microbial agents.
- Sterilize all biohazard waste before disposal. Dispose the unused supplements and the sterilized media inoculated with samples or microbial strains in accordance with current local legislation.
- Do not use Kanamycin Selective Supplement as active ingredients for pharmaceutical preparations or as production materials intended for human and animal consumption.
- The Certificates of Analysis and the Safety Data Sheets of the products are available on the website [www.biolifeitaliana.it](http://www.biolifeitaliana.it).
- The information provided in this document has been defined to the best of our knowledge and ability and represents a guideline for the proper use of the product but without obligation or liability. In all cases existing local laws, regulations and standard procedures must be observed for the examination of samples collected from human and animal organic districts, for environmental samples and for products intended for human or animal consumption. Our information does not relieve our customers from their responsibility for checking the suitability of our product for the intended purpose.

#### 13 - STORAGE CONDITIONS AND SHELF LIFE

Upon receipt, store the product in the original package at 2-8°C away from direct light. If properly stored, the product may be used up to the expiry date printed on the label; do not use beyond this date. Once the vial has been opened and the lyophilised product has been















reconstituted, the resulting solution should be used immediately. Before use, examine the lyophilized and reconstituted product and discard if there are obvious signs of deterioration (e.g., contamination, atypical colour or other abnormal characteristics).

### 14 – REFERENCES

1. Mossel DAA, Bijker PGH, Eelderling J.: Streptokokken der Lancefield-Gruppe D in Lebensmitteln und Trinkwasser - Ihre Bedeutung, Erfassung und Bekämpfung. - Arch. f. Lebensmittelhyg., 1978; 29: 121-127
2. Mossel DAA, Bijker PGH, Eelderling J. VanSprekens KA. In: Streptococci, edited by Skinner LH and Quesnel LB. SAB Symposium Series n° 7. Academic Press, London.
3. Ottaviani F, Agosti M. (2000) Personal communication-

### TABLE OF APPLICABLE SYMBOLS

 <b>REF</b> or <b>REF</b> Catalogue number	 <b>LOT</b> Batch code	 Use by	 Fragile, handle with care	 Manufacturer
 Temperature limitation	 Contents sufficient for <n> tests	 Consult Instructions for Use	 Store away from direct light	 This side up

### REVISION HISTORY

Version	Description of changes	Date
Revision 1	Updated layout and content	2024/10

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

