



## LYSED HORSE BLOOD

### Liquid supplement

#### 1 – INTENDED USE

Lysed horse blood is used for special purposes in culture media.

#### 2 - COMPOSITION - BOTTLE CONTENTS

Lysed (laked) horse blood 100 mL

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

Lysed horse blood is used for the supplementation of a variety of culture media. It has been used for many years in *Corynebacterium diphtheriae* media. It is used in several media for *Campylobacter* enrichment and isolation as an essential nutrient factor and because it neutralizes the trimethoprim antagonists which may be present as residues in the peptones: Bolton broth, Preston broth, Preston agar, Skirrow agar. Lysed blood stimulates the growth of *Haemophilus influenzae* due to the release of NAD, an important growth factor, from the lysed erythrocytes. Lysed blood horse is used for the supplementation of antibiotic sensitivity test media to improve the results with trimethoprim and sulphonamides. Lysed horse blood contains thymidine phosphorylase, which converts thymidine to thymine, a compound much less antagonistic to the activity of trimethoprim and sulphonamides.

#### 4 - DIRECTIONS

Lysed Horse Blood is ready to use for the supplementation of culture media. Lysed horse blood is normally added at a rate of 50 mL per litre of medium, with the precautions of asepsis.

#### 5 – PHYSICAL CHARACTERISTICS

Appearance dark red, limpid.

#### 6 - MATERIALS PROVIDED - PACKAGING

Product	Type	REF	Pack
Lysed Horse Blood	Liquid supplement	90HLX100	100 mL

#### 7 - MATERIALS REQUIRED BUT NOT PROVIDED

Basic culture media, autoclave, water bath, thermostat and other laboratory equipment, sterile Petri dishes or tubes, autoclavable flasks, microbiology loops, reagents and accessory culture media.

#### 8 - SPECIMENS

Various samples on which to perform controls or microbiological analyses.

#### 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 suggested quality control strains.

#### 11 - PRECAUTIONS AND WARNINGS

- Lysed Horse Blood is for microbiological control and for professional use only; it must be used by adequately trained and qualified laboratory personnel, observing approved biohazard precautions and aseptic techniques.
- Lysed Horse Blood is from animal origin. The *ante* and *post mortem* controls of the animals and those during the production and distribution cycle of the raw materials, cannot completely guarantee that this product doesn't contain any transmissible pathogen. Therefore, it is recommended that the product be treated as potentially infectious, and handled observing the usual specific precautions: do not ingest, inhale, or allow to come into contact with skin, eyes, mucous membranes. Download the TSE Statement from the website [www.biolifeitaliana.it](http://www.biolifeitaliana.it), describing the measures implemented by Biolife Italiana for the risk reduction linked to infectious animal diseases.
- All laboratory specimens should be considered infectious.
- The laboratory area must be controlled to avoid contaminants such as supplement or microbial agents.
- Sterilize all biohazard waste before disposal. Dispose the unused supplement and the sterilized media inoculated with samples or microbial strains in accordance with current local legislation.
- Do not use Lysed Horse Blood 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.
















### 12 - 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. Before use, examine the product and discard if there are obvious signs of deterioration (e.g., contamination, atypical colour or other abnormal characteristics).

The user is responsible for the manufacturing and quality control processes of prepared media and the validation of their shelf life, according to the type (plates/tubes) and the applied storage conditions (temperature and packaging).

#### TABLE OF APPLICABLE SYMBOLS

 or  Catalogue number	 Batch code	 Manufacturer	 This side up	 Fragile
 Temperature limitation	 Content sufficient for <n> tests	 Consult Instructions for Use	 Use by	 Keep away from direct light

#### REVISION HISTORY

Version	Description of changes	Date
Revision 1	Updated layout and content	2024/04

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

