

Instructions for Use

REF - SHS

Sterile Horse Serum

1. Intended Use

Sterile Horse Serum (SHS) is an aseptically collected reagent, for supplementation of culture media, derived from defibrinated horse blood.

2. Composition*

Ingredients

Filtered serum from antibiotic free 100% defibrinated Horse Blood

*Adjusted/supplemented as needed to meet performance requirements

3. Summary, Explanation and Principles

E&O Sterile Horse Serum is suitable for use, as a supplement in the preparation of culture media. Sterile horse serum can be used as a nutrient additive to both broths and agars in microbiological testing.

E&O Sterile Horse Serum is collected from antibiotic free herds located in the UK. The serum is processed through a triple filter filtration system to 0.2µm. After filtration the dispensing and bottle filling processes are carried out in a clean room area under laminar flow. Once labelled, the filled bottles are frozen and stored at -20°C without delay.

4. Preparation Instructions

Dependent on final medium being produced, aseptically add the required amount of Sterile Horse Serum (SHS) to the cooled medium and allow to mix prior to final product dispensing.

5. Physical Characteristics

	Appearance
Appearance and Colour	Orange/red liquid

6. Materials Provided

Sterile Horse Serum (SHS) can be provided in the formats detailed below. Each bottle is labelled with (abbreviated) product name, product code, lot number and expiry date.

Product code	Product format
SHS100-N100-100	1 x 100ml in 100ml Square PETG Bottle
SHS500-N500-500	1 x 500ml in 500ml Square PETG Bottle

7. Materials Needed but not Provided

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

8. Specimens

Media containing sterile horse serum can be used to isolate several different pathogenic bacteria from a wide variety of clinical specimens. Dependent on final medium produced. Refer to appropriate standard method or local guidance on sample collection and subsequent processing.

9. Test Procedures and Interpretation of results

Dependent on final medium produced. Follow supplier's instructions on preparing the dehydrated culture medium, sterilise and cool prior to adding the Sterile Horse Serum (SHS) to the medium and mix well before dispensing to the final container.

10. Quality Control

Organism	Incubation	Result (Specificity)
N/A	Sterility Testing: Incubate at 37 ± 1°C aerobically for 72 hours and at 20 ± 5°C for 120 hours	No growth

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 sterility of Sterile Horse Serum (SHS), samples were incubated aerobically at 37 ± 1°C for 72 hours and at 20 ± 5°C for 120 hours. No growth was observed, and samples were concluded to be sterile. Therefore, it can be concluded that Sterile Horse Serum (SHS), meets criteria to be used as a reagent in the supplementation of media. Trend analysis data available upon request.

12. Limitations of the Media

As Sterile Horse Serum (SHS) is not to be used independently and is instead designed to be added to an existing medium, limitations will vary depending on the final medium produced.

13. Precautions and Warnings

This product is considered non-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 Sterile Horse Serum (SHS) Safety Data Sheet.

Do not use if serum is not specified colour, has been stored inappropriately or the packaging has been damaged. Any unused serum should be disposed of according to local guidelines.

14. Storage conditions and Shelf life

Store Sterile Horse Serum (SHS) in the original container with the lid tightly closed at -20°C away from direct sunlight. Kept under these conditions, Sterile Horse Serum (SHS) may be used up to date of expiry shown on the product label.

Dispose of in accordance with local and national authority requirements.

Version History*

- 001 22/03/2023 - New Document Created
- 002 24/04/2025 - Updated IVDR status

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












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IFU/SHS REV. 002

TABLE OF APPLICABLE SYMBOLS

 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