PRODUCT DESCRIPTION

Biowest USA Donor Horse Serum is an aseptically collected serum derived from the clotted whole blood of healthy horses. Sourced from Chile, it is processed under stringent quality control procedures to ensure purity, consistency, and traceability. This serum provides essential nutrients and growth factors to support cell growth and maintenance in vitro applications.

COUNTRY OF ORIGIN

The Biowest USA Donor Horse Serum is sourced and collected in Chile, following strict animal health and safety protocols to guarantee the quality and traceability of the product.

Catalog Number	Description	Origin(s)
S2700	Donor Horse Serum	Chile

INTENDED USE

Biowest USA Donor Horse Serum is intended for in vitro research, cell culture, and further manufacturing applications. It is not for human or animal consumption and is not an Active Pharmaceutical Ingredient (API). This product is strictly for research and laboratory use only.

COLLECTION SOURCE

The serum is derived from clotted whole blood, aseptically collected, and processed in compliance with USDA regulations. Every batch undergoes rigorous control throughout collection, treatment, production, and final packaging.

QUALITY CONTROL PARAMETERS

1.1	pH: monitored and reported for each batch, with specifications provided in the Certificate of Analysis (CoA).
1.2	Osmolality: determined by the lowering of the freezing temperature, calibrated against standard solutions. Osmolality specifications are provided in the Certificate of Analysis.
1.3	Endotoxin: tested using USP 85 Photometric Quantitative Techniques. Test results are reported in the Certificate of Analysis.
1.4	Hemoglobin: measured by spectrophotometry. Results are provided in the Certificate of Analysis.
1.5	Total Protein: determined using a colorimetric assay. Results are reported in the Certificate of Analysis.
1.6	Sterility Testing: tested for the absence of aerobic and anaerobic bacteria, fungi, and yeast in compliance with 9CFR regulations.
1.7	Mycoplasma: tested via culture-based methods or PCR (Polymerase Chain Reaction), depending on customer requirements. Tested for absence of Mycoplasma.
1.8	Virus Testing: Each batch of donor horse serum is tested for Equine Infectious Anemia (EIA) using the AGID (Agar Gel Immunodiffusion) method, in compliance with 9CFR regulations. Additionally, viral testing is performed by inoculating permissive cell cultures and following the 9CFR 113.53c, 113.46, and 113.47 requirements. Testing is conducted for the following pathogens: • Bovine Viral Diarrhea Virus • Equine herpesvirus-1 • Equine viral arteritis virus • Reovirus • Rabies virus
1.9	Other Testing: Additional testing may be available upon request.

FILTRATION	
Final Filter Size: 0.2µm	
TREATMENT PROCESS	
Not Applicable	
STORAGE CONDITIONS	
Store at ≤ -10°C, protected from light to maintain the serum's integrity.	
SHELF LIFE	
5 years from the date of manufacture when stored under the recommended conditions.	
HANDLING INSTRUCTIONS	
2.1	Thawing: Thaw the serum in a refrigerator (2°C to 8°C) or at room temperature. Avoid rapid thawing methods to preserve protein integrity.
2.2	Aliquoting: For optimal preservation, aliquot the serum after thawing using aseptic techniques.
2.3	Storage after Thawing: If not all serum is used, thawed serum may be stored at 2°C to 8°C for up to 26 weeks without significant loss in quality, provided sterility is maintained.
2.4	Repeated Freeze/Thaw Cycles: To maintain serum quality, avoid repeated freeze/thaw cycles. Always refreeze aliquots, not the entire bottle.
PRECAUTIONS AND SAFETY	
3.1	For Research Use Only: Not for human or animal consumption.
3.2	Protective Equipment: Always wear appropriate PPE, such as gloves, lab coats, and face protection, when handling the serum.
3.3	Aseptic Handling: Ensure that serum is handled under aseptic conditions (e.g., laminar flow hood) to prevent contamination.
REGULATORY INFORMATION	
The serum is treated in accordance with strict animal health and safety standards to ensure the highest quality and traceability. Biowest USA adheres to all relevant regulatory guidelines and ensures that the product is safe, traceable, and compliant for research and laboratory applications.	
DISPOSAL INSTRUCTIONS	
Dispose of unused serum and packaging according to local regulations for biological materials and hazardous waste.	
CERTIFICATE OF ANALYSIS (CoA)	
A Certificate of Analysis is provided with each batch and contains detailed specifications, including test results for sterility, endotoxin levels, and other quality control parameters.	
DISCLAIMER	
This product is not intended as an Active Pharmaceutical Ingredient (API). It is intended for research, diagnostics, and medical device manufacturing only. Before use, users should refer to the Certificate of Analysis (CoA) for specific lot details.	

For further information or inquiries, please contact Biowest USA Customer Service.