

Stasis™ Stem Cell Qualified U.S. Origin Fetal Bovine Serum

Catalog # 100-525

PRODUCT DESCRIPTION:

Stem cells are the least differentiated of all cell types. Many biomolecules common in sera can trigger unwanted differentiation. As such, these cells have uniquely pristine requirements for growth in culture. Our stem cell qualified fetal bovine serum has been specifically tested for its ability to sustain the undifferentiated cellular morphology of these cells. This quality product comes exclusively from US sources.

Stasis Testing Protocol available upon request.

- Mycoplasma-tested and virus-screened
- 0.1 µm sterile-filtered

INSTRUCTIONS FOR USE

Receipt and Storage:

Ships on dry ice. Store frozen at -20 to -10°C.

Thawing Instructions:

When preparing animal serum for use, it should be allowed to thaw in a refrigerator at a temperature of 2-8°C overnight to minimize thermodynamic stress to the material.

Appearance:

Straw-like or amber color. It could be slightly cloudy and may contain precipitates due to freezing and/or thawing; this occurrence does not impact culture performance.

Stability:

If stored frozen (-20 to -10°C), product expiration is listed on CoA.

Preparation and Use:

We recommend that you minimize the number of freeze/thaw cycles the product will undergo by aliquoting the serum into useful volumes at time of storage.

Biological Testing	
Endotoxin	<10.0 EU/mL
Hemoglobin	<20.0 mg/dL
Microbiological Testing	
Bacteria	No Growth
Fungi	No Growth
Mycoplasma	Not Detected
Viral Testing	
Cytopathic Agents	Not Detected

Hemadsorbing Agents	Not Detected
Bovine Viral Diarrhea Ab titer	
Type I	≤1:4
Type II	≤1:4
Extraneous Virus (FAB)	
Bluetongue Virus	Not Detected
Bovine Adenovirus	Not Detected
Bovine Parvovirus	Not Detected
Bovine Viral Diarrhea (cytopathic)	Not Detected
Bovine Viral Diarrhea (non-cytopathic)	Test and Report
Bovine Syncytial Virus	Not Detected
Bovine Rabies Virus	Not Detected
Reovirus	Not Detected
Physical Testing	
Electrophoretic Pattern	Normal
Osmolality	260-350 mOsm/kg
pH	6.5-8.5
Biochemistry	
Albumin	Test and Report
Alkaline Phosphatase	Test and Report
ALT (SGPT)	Test and Report
AST (SGOT)	Test and Report
GGT	<10 U/L
Bilirubin, Total	Test and Report
BUN	Test and Report
Calcium	Test and Report
Chloride	Test and Report
Cholesterol	Test and Report
Cortisol	Test and Report
Creatinine	Test and Report
Glucose	Test and Report
IgG	<0.300 mg/mL*
Insulin	Test and Report
Iron, Serum	Test and Report
Phosphorus	Test and Report
Potassium	Test and Report
Progesterone	Test and Report
Protein, Total	2.5-6.0 g/dL
Sodium	Test and Report
Testosterone	Test and Report
T3	Test and Report
T4	Test and Report
Triglycerides	Test and Report
Tetracycline	<4 ng/mL
Uric Acid	Test and Report

Storage	Store frozen at $\leq -10^{\circ}\text{C}$
Form	Liquid
Expiration	Lot specific, see Certificate of Analysis

Our fetal bovine serum meets all USDA requirements and has passed ante and post-mortem inspection by a licensed veterinarian. It is collected in countries recognized as being free of foot-and-mouth disease and rinderpest. The origin of all fetal bovine serum is traceable by lot number, date, and country of collection. Precipitates may develop in this product upon freezing and/or thawing; this occurrence does not impact culture performance. *Some geographic regions may test higher than 0.300 mg/mL. If this be the case, refer to GGT results less than 10 U/L to ensure FBS purity.

For Cell Culture, further Manufacturing and Research use only. Not for direct Therapeutic use.