



Specsure® Bovine Growth Serum

Cat No# ACE002– 500 ml

Storage at -20°C

INFORMATION

As the number of cattle continues to decline, ACE Biolabs is committed to becoming a leader in the FBS alternative space. We are applying our decades of scientific experience and uncompromising quality standards to these FBS shortage solutions. Each lot of **Specsure®** is tested by ACE Biolabs' team of experienced scientists in our own state-of-the-art cell culture lab prior to releasing the product for customer use. This investment in **Specsure®** 's product release testing gives us the ability to find the optimal performance for specific cell lines. **Specsure®** is our proprietary bovine growth serum (BGS) supplemented with additives that match or outperform FBS' cell growth capabilities in many cell lines including CHO and Vero.

- **Specsure®** BGS is our proprietary blend of serum, supplemented with additives.
- **Specsure®** BGS is proven to match and in many cases outperform FBS in numerous cell lines including U2OS, HEK293, CHO, Vero, NB, HeLa, A549 and MDBK.
- **Specsure®** BGS is a fraction of the price of FBS due to the low cost of its base material.
- **Specsure®** BGS has a much more reliable supply line than FBS, ensuring constant availability.
- **Specsure®** BGS specifications closely mimic FBS and is also typically BVDV Free.
- Many cell lines are suited to direct adaptation from FBS to **Specsure®** BGS with no weaning procedure.
- All of the serum used in manufacturing **Specsure®** BGS is fully traceable and is sourced from audited suppliers
- We process **Specsure®** BGS in single containers and triple 0.1 µm sterile filter it.
- Storage conditions: ≤ -20° C

SAFE SOURCED AND ENHANCED MANUFACTURING PROCESSES

Specsure® Bovine Growth Serum (BGS) specific product test requirements and typical values are given below:

Parameter	Method	Specification
Total Protein	Chemistry Analyzer	As Reported
Osmolality	By Osmometer	260 - 340 mOsm/kg
pH	pH Meter	6.5 - 8.5
Hemoglobin	USP <90>	< 30 mg/dl
Albumin	Chemistry Analyzer	As Reported
Endotoxin	LAL	As Reported
Appearance	Visual	Clear Amber
Sterility, Mycoplasma, and Viral Analysis	9CFR 113.26, 28, 53	Tested
Other Parameters	Comprehensive Chemistry Testing	As Reported