

Premium Fetal Bovine Serum (FBS)

Data Sheet

Specification	Description
Product Name	Premium Fetal Bovine Serum (FBS)
Catalog Number	NEOFBS-003
Size	50ml
Appearance	Clear amber liquid
Sterility	Sterile filtered through 0.1 µm filters
Endotoxin Level	≤ 10 EU/mL
Hemoglobin	≤ 25 mg/dL
Mycoplasma Testing	Negative
Virus Testing	Tested according to industry standards
pH	6.8 – 8.2
Osmolality	280 – 340 mOsm/kg
Storage Temperature	-20°C

Product Description

Premium Fetal Bovine Serum (FBS) is a high-quality, sterile-filtered serum designed to support the growth and maintenance of a wide variety of mammalian cell cultures. Carefully sourced and processed under stringent quality standards, this serum provides exceptional consistency, low endotoxin levels, and optimal performance for research and biopharmaceutical applications.

Applications

- Mammalian cell culture
- Stem cell research
- Primary cell culture
- Hybridoma culture
- Vaccine production
- Biopharmaceutical manufacturing
- Tissue engineering
- Cell-based assays



Quality Control Testing

Each lot undergoes rigorous quality testing including:

- Sterility testing
- Endotoxin analysis
- Mycoplasma detection
- Hemoglobin determination
- Cell growth performance testing
- Biochemical profile analysis

Recommended Usage

- Thaw serum slowly at 2–8°C overnight.
- Mix gently before use.
- Avoid repeated freeze-thaw cycles.
- Aliquot if necessary for long-term use.

Storage Conditions

Store at **-20°C** or below.

Once thawed, keep at **2–8°C** and use within 4–6 weeks.

Packaging Options

- 50 mL
- 100 mL
- 500 mL

Intended Use

For Research Use Only (RUO).

Not intended for human or clinical therapeutic use.