



Data Sheet

Heat Inactivated Fetal Bovine Serum (HI-FBS)

Catalog Number: NEOFBS-008

Product Name: Heat Inactivated Fetal Bovine Serum (HI-FBS)

Size: 100 mL

Storage Conditions: -20°C

Origin: USA

Sterility: Sterile Filtered (0.1 µm)

Endotoxin Level: ≤ 10 EU/mL

Hemoglobin: ≤ 25 mg/dL

Mycoplasma: Negative

Appearance: Clear to slightly cloudy amber liquid

Product Description

Heat Inactivated Fetal Bovine Serum (HI-FBS) is premium-quality serum processed to reduce complement activity through controlled heat inactivation at 56°C for 30 minutes. This product is specially designed for sensitive cell culture applications requiring reduced complement interference while maintaining optimal cell growth performance.

Manufactured under stringent quality control standards, NEOFBS-008 is ideal for a wide range of mammalian cell culture applications including immune cell culture, hybridoma production, stem cell research, and primary cell expansion.

Key Features & Benefits

- Heat-inactivated at 56°C for 30 minutes
- Supports consistent cell growth and viability
- Low endotoxin and hemoglobin levels
- Triple 0.1 µm sterile filtered
- Mycoplasma tested
- Excellent lot-to-lot consistency
- Suitable for research and bioproduction workflows



Applications

- Mammalian cell culture
 - Primary cell culture
 - Stem cell research
 - Hybridoma culture
 - Immunology research
 - Vaccine research
 - Cancer research applications
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Quality Control Testing

Each lot is tested for:

- Sterility
 - Mycoplasma detection
 - Endotoxin levels
 - Hemoglobin concentration
 - pH and osmolality
 - Cell growth performance
 - Virus screening
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Recommended Storage

Condition	Temperature
Long-Term Storage	-20°C
Short-Term Storage	2–8°C
Avoid	Repeated freeze-thaw cycles

Instructions for Use

1. Thaw serum slowly at 2–8°C overnight.
2. Mix gently before use.
3. Aliquot if necessary to minimize freeze-thaw cycles.
4. Use aseptic handling procedures.



Intended Use

For research use only (RUO).

Not intended for human or animal therapeutic applications.
