

Tetracycline-Free Fetal Bovine Serum (FBS)

Product Name: Tetracycline-Free Fetal Bovine Serum (FBS)

Catalog Number: NEOFBS-011

Size: 100 mL

Storage Condition: -20°C

Sterility: Sterile-filtered (0.1 µm)

Origin: USA

Application: Research Use Only (RUO)

Product Description

Tetracycline-Free Fetal Bovine Serum (FBS) is a premium-quality serum specifically manufactured for applications involving tetracycline-regulated gene expression systems, including Tet-On and Tet-Off inducible systems. This serum is carefully screened and tested to ensure the absence of detectable tetracycline and its derivatives, minimizing background activation or suppression of tetracycline-responsive promoters.

This product is ideal for sensitive cell culture applications requiring low background interference, reproducible gene regulation, and consistent cell growth performance.

Features & Benefits

- Tested and certified tetracycline-free
 - Optimized for Tet-On/Tet-Off systems
 - Low endotoxin and hemoglobin levels
 - Supports robust cell proliferation
 - Sterile-filtered for maximum purity
 - Excellent lot-to-lot consistency
 - Triple 0.1 µm filtered
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Recommended Applications

- Inducible gene expression studies
- Tet-On / Tet-Off cell culture systems
- Mammalian cell culture
- Stem cell culture
- Cancer research
- Viral vector production
- General research applications

Quality Control Specifications

Parameter	Specification
Sterility	No growth detected
Mycoplasma	Negative
Endotoxin	≤ 10 EU/mL
Hemoglobin	≤ 25 mg/dL
pH	6.8 – 8.2
Osmolality	280 – 340 mOsm/kg
Tetracycline Detection	Not Detected

Storage & Stability

Store at **-20°C** upon receipt.

Avoid repeated freeze-thaw cycles.

Once thawed, aliquot as needed and store at 2–8°C for short-term use.



Handling Instructions

1. Thaw serum slowly at 2–8°C overnight.
2. Mix gently before use.
3. Do not heat inactivate unless required for your application.
4. Use aseptic handling procedures.

Intended Use

For Research Use Only.

Not intended for human or animal therapeutic or diagnostic use.

Ordering Information

Product	Catalog Number	Size
Tetracycline-Free	FBS NEOFBS-011	100 mL