

Premium Grade Fetal Bovine Serum

Luxcell's premium FBS is designed for cultivating various types of cells that require extremely high serum quality. This type of serum has been screened through hematopoietic stem cell proliferation and colony formation, and can support a variety of cell types that are difficult to culture, including various tissue stem cells, primary cells, and cell lines used for virus production. Its performance is sufficient to replace imported high-end serum.



Serum Source and Complete Traceability

Our serum is sourced from farms in southern China with full traceability from donor cows to final processing, meeting cGMP requirements and avoiding antibiotic overuse from the start.

One-time Sterile Production System and GMP Production Standards

Our fetal bovine serum is produced in a workshop that complies with GMP requirements, utilizing a one-time sterile production process.

Multiple Steps of Quality Inspections to Ensure High Serum Quality and Batch Consistency

Before production, raw materials are inspected, and the finished serum undergoes dual re-inspection using hematopoietic stem cells and T lymphocytes to ensure batch-to-batch stability and broad cell culture compatibility.

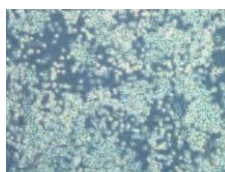
Nearly 40 biochemical parameters are tested according to USP standards to ensure the stability of serum performance

- ✓ Super-low levels of endotoxin (<0.5EU/mL).
- ✓ Mycoplasma, bovine-origin viruses, and other pathogens are tested and found negative.
- ✓ The total protein and hemoglobin content meet USP requirements, reaching international standards.

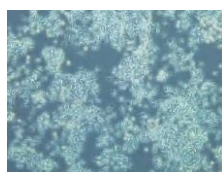
Premium Irradiated Serum, providing higher assurance and meeting higher requirements

Gamma radiation treatment of serum is a common and highly effective method for virus inactivation, minimizing risks associated with animal-derived components. Our premium irradiated serum has been verified to maintain cell growth capabilities, providing customers with higher assurance and meeting more stringent requirements.

RAW264.7



Imported FBS



LUXCELL
Premium
Irradiated FBS

Based on Cell Culture and CCK-8 Test Results:

1. In most primary cells, fibroblasts, and cancer cell lines, both our Premium Serum and Premium Irradiated Serum exhibit comparable effects on cell proliferation activity.
2. In certain more sensitive immune cells, such as macrophages RAW264.7 cells, our Premium Irradiated Serum helps prevent cell polarization, making it suitable for research experiments aimed at clinical applications.