

ZETA life Ultra-Low Endotoxin Fetal Bovine Serum (South American Origin)

The Gold Standard for Research-Grade Cell Culture

Catalog Numbers: Z7180FBS-500 (500ml) | Z7180FBS-100 (100ml)

Key Advantages

1. Purity & Safety Guaranteed

- **Premium Sourcing:** Derived from BSE/TSE-free herds in USDA-certified Colombian regions.
- **Ultra-Low Endotoxin:** ≤ 0.5 EU/mL (ensures high cell viability and stability).
- **Rigorous QA:** Full viral screening (BVDV, BAV, etc.) with zero adventitious agent contamination.

2. Advanced Manufacturing

- **Triple Sterile Filtration:** 0.1 μ m ultrafiltration technology eliminates microbial contaminants.
- **Lot Consistency:** Every batch includes COA (endotoxin, hemoglobin, etc.) for experimental reproducibility.

3. High Cost Efficiency

- 30% more economical than Australian-sourced sera, balancing premium quality and budget needs.

For scientific research use only, not to be used for any other purposes.

Scientifically Validated: Supports 40+ Cell Models

Z7180FBS is cited in global publications for successfully culturing:

I. Stem Cells & Differentiation Studies

- Mouse Embryonic Fibroblasts (3T3-L1)
- Induced Pluripotent Stem Cells (iPSCs)
- Cytokine-Induced Killer Cells (CIK)

II. Primary & Challenging Models

- **Human Primary Cells:**
 - Renal Glomerular Mesangial Cells (HMCs)
 - Bronchial Epithelial Cells (HBE)
- **Animal Primary Cells:**
 - Rat Hepatocytes (multi-validated)
 - Mouse Lung Microvascular Endothelial Cells (HcoEpic)
 - Mouse Sertoli Cells (TM4), Spermatogonial Cells (GC1spg)

III. Drug-Resistant & Aggressive Cancer Lines

- **Liver Cancer:**HepG2, Hep3B, HCC (incl. HepG2/ADM), PLC
- **Lung Cancer:**A549, H1975, NSCLC (GLC-82)
- **Gastric Cancer:**MGC803, HGC-27
- **Ovarian Cancer:**SK-OV-3, EOC, KGN

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IV. Broad-Spectrum Cancer Cell Lines

- **GI Cancers:**
 - Colon (HCT116, SW480, SW620)
 - Esophageal (Eca-109)
 - Nasopharyngeal (NPC, HNE1, HNE2, HONE1)
- **Solid Tumors:**
 - Breast (MDA-MB-231)
 - Prostate (PC-3)
 - Osteosarcoma (RPMI-8226, U266)
 - Melanoma (B16F10)
- **Hematologic Malignancies:**
 - Leukemia (MOLM13)

V. Standard & Normal Cell Lines

- **Human Cells:**
 - 293T, HEK293T
 - Normal Hepatocytes (LO2), Bronchial Epithelial (BEAS-2B)
- **Animal Cells:**
 - Mouse Macrophages (RAW264.7)
 - Mouse Microglia (BV-2)
 - Mouse Melanoma (B16F10), Colon Adenocarcinoma (CT26)

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- Brain Microvascular Endothelial Cells (bEnd.3)
- African Green Monkey Kidney (Vero)
- Mouse Normal Hepatocytes (AML-12)

[View Full Cell Line List]

Why Choose Z7180FBS?

- **Superior Performance:**

- Supports stem cell differentiation
- Enables long-term primary culture (>15 passages validated)
- Sustains expansion of high-difficulty tumor models

- **Global Endorsements:**

- **Pharma-Trusted:**Used in CAR-T process development by multinationals (lot consistency >98%).
- **Publication-Proven:**Explicitly cited in *Nature Communications* for organoid research.
- **CDMO-Scaled:**>1,000 bottles procured for antibody drug development cost reduction.

- **Service Commitment:**

- 48-hour technical support
- **Free trial samples** (delivered in 3 business days)

Experience ZETA life South American FBS – Unleash Cellular Potential, Empower Your Research!

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Ready-to-Ship · Cold Chain Guaranteed · Redefining Cell Culture Standards

Note: All referenced cell types are validated in peer-reviewed publications using Z7180FBS (Colombian origin).