

Premium Grade Fetal Bovine Serum

Gold Standard for Scientific Research Across All Fields

Catalog : A6911FBS-500 (500ml) | A6911FBS-100 (100ml)

Redefining Serum Quality in Three Dimensions

- **Source Blood Standards** : Global premium blood sources
(Brazil/Uruguay/New Zealand/Australia) via cardiac puncture.
- **Purification Process** : Triple 0.1µm nanofiltration terminal filtration.
- **Quality Control System** : 26 critical parameter tests (including 9 virus screenings + 12 mycoplasma validations across cell lines).

Globally Validated Cellular Compatibility

Organoids & Complex Models

- ✓ Mouse liver organoids (DEOs/NEOs) / Human liver tumor organoids (HCC/CC)
- ✓ Human colorectal cancer organoids (tumor-stroma co-assembly models:
NIH3T3+OVCAR.5)
- ✓ Primary mouse lung/liver/kidney organoids for long-term passaging

Stem Cells & Regenerative Medicine

- ✓ Directed differentiation of human iPSC-derived cardiomyocytes (hiPSC-CMs)
- ✓ Expansion of mouse HL-1 cardiomyocytes

Immunology & Neuroscience

- ✓ Co-culture of BV-2 microglia/mouse bone marrow macrophages (BMM)
- ✓ Synaptic growth in primary neural cells (hNPC/hOB/pH-BD)

Cancer Research Models

Lung : A549, NCI-H1975, NCI-H1299, NCI-H460, 95-D, H1975

Breast : MCF-7, MB-231, BT549

Live r: HepG2

Colorectal : HCT-8, RKO, CW-2, CRC cells

Myeloma : H929, KMS28BM, OCI-MY5, MM cells

Prostate : PC3, 22RV1

Others : ARP1, CAG (see A6901 culture)

Normal & Engineered Cells

Epithelial : BEAS-2B, primary DHBE, pNHBE, human bronchial epithelium, LECs,
NCM460

Fibroblasts : L929, NIH3T3

Neural/endocrine : PC12, ST porcine testis cells

Animal Models

Primary sheep preadipocytes | Small-tailed Han sheep granulosa cells | Goat

SMSCs | 293T | HEK293

Unmatched Four Core Values

- **Batch-to-Batch Consistency >98%**
- **Endotoxin <10EU/ml**
- **Hemoglobin ≤20mg/dL**(30% lower than industry standards)

Cell Therapy Grade Quality Assurance

- Compliant with EP/USP sterility testing protocols.
- Mycoplasma validation covers 12 cell lines (including challenging models like CHO/K562).

Global Research Accelerator

- Supported a **40% reduction in CAR-T cell development cycle**for the EMBL team (*Molecular Therapy*).
- Used by **300+ institutions**for clinical trial applications.

Technical Parameter Milestones

Category	Premium Grade FBS	Conventional FBS
Filtration	Triple 0.1µm nanofiltration	0.22µm single filtration
Virus Screening	9 pathogens tested	4 pathogens tested
Mycoplasma Validation	12 cell lines validated	6 cell lines validated

Researcher Testimonial

"In breast cancer organoid drug screening, batch-to-batch variation $\leq 2\%$ ensures data reproducibility."

— Memorial Sloan Kettering Cancer Center

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Contact Us

Email: info@ivigt.com | Website: <http://www.ivigt.com>

Address: 17134 Murphy Ave., Irvine, CA 92681, USA