

Invigentech Fetal Bovine Serum (FBS) - Uruguay Origin

Product Codes:

- A6903FBS-100: 100ml (Ideal for precious cell screening & small-scale studies)
- A6903FBS-500: 500ml (Recommended for HTS & long-term projects)

Core Value: Pristine South American Source x Advanced Process

Assurance

Dual Advantages: Source & Production

- Top Uruguayan Ranch Traceability: Healthy fetal bovines, strict cardiac puncture technique (eliminates hemolysis risk).
- Triple Ultrafiltration Purification: 0.1µm sterile filtration, endotoxin <10 EU/ml (exceeds pharmacopeia standards), ensures zero microbial residue.

Validated Full-Spectrum Cell Compatibility

Delivers stable support for key research areas:

- **Oncology Mechanisms:** Culture of lung/breast/CRC cancer cell lines.
- **Regenerative Medicine:** Stem cell differentiation (e.g., hiPSC-CMs cardiomyocytes), primary neural cell expansion.
- **Advanced Model Building:**

- Humanized Liver Tumor Organoids (DEOs/NEOs)
- 3D Co-Culture Systems (Tumor-Stroma Interaction Studies)
- Immune Cell-Organoid Co-Culture (e.g., Macrophage-BV-2 Models)
- **Cross-Species Challenges:** Sheep/Goat primary cells, murine fibroblasts (NIH3T3), etc.

Four Pillars of Research-Grade Quality

1. Stringent QC System:

- 26-Point Full-Spectrum Testing: Covers physicochemical properties, sterility, endotoxin.
- Batch Consistency Guaranteed: <3% variation rate (Document 1 validated) via 4-tier traceability.

2. Complex Scenario Empowerment:

- Significantly boosts cell viability & functional expression in Transfection (with INVI system), 3D Organoids, Immune Cell Expansion.

3. Contamination Risk Control:

- Mycoplasma Testing (12 cell lines + 9 virus screenings) + Cytotoxicity Testing, prevents experimental contamination.

4. Global Research Validation:

- Serves 300+ institutions (Document 1), findings published in top Tissue Engineering & Gene Therapy journals.

Why Uruguay Origin?

- Climate & Environment: Uruguayan pastures BSE-free, nutrient-rich forage yields higher activity serum.
- Process Upgrade Assurance: New cGMP facility, EP/USP compliant, WFI-grade clean environment.
- Cost-Effectiveness: 100ml size lowers precious cell trial cost, 500ml meets scale-up needs.

Lab Validation Note: This product demonstrates equivalence in A6901-validated cell models. Lab data shows 20-30% increased proliferation rates in pNHBE primary lung epithelial cells and CRC organoid culture vs. standard serum, with lower experimental variation.

Power Your Scientific Discovery

Invigentech Uruguay Origin FBS, with its South American purity, process excellence, and all-scenario adaptability, serves as the foundational bedrock for advancing Cell Therapy, Cancer Immunotherapy, and Organoid Models. Choose traceable, premium serum for controlled variables and anticipated innovative results.

Order Now: A6903FBS-500 (500ml) | A6903FBS-100 (100ml)

Explore Solutions: <http://www.invigentech.com>