

Premium Fetal Bovine Serum

High Cost-Performance Scientific Research Gold Standard

Catalog : A6912FBS-500 (500ml) | A6912FBS-100 (100ml)

Triple Quality Control Process Redefines Benchmarks

- **Blood Source Screening** : Fetal bovine heart puncture blood collection from high-quality pastures in South America
- **Purification Technology** : Dual 0.22µm filtration + terminal 0.1µm sterile assurance
- **Quality Control System** : 22 core indicators tested (including 7 virus screenings + 9 mycoplasma validations across cell lines)

Globally Validated Cellular Compatibility

Frontier Research Applications

- **Organoid Construction** :
 - ✓ Human colorectal cancer organoids (HCT-8/RKO/CW-2)
 - ✓ Murine liver organoids (DEOs/NEOs) passaging stability
- **Stem Cell Applications** :
 - ✓ Human iPSC-derived cardiomyocytes (hiPSC-CMs) basal differentiation
 - ✓ Murine HL-1 cardiomyocyte expansion

• **Immune Models :**

- √ BV-2 microglial cell basal culture

Complete Cellular Support List (Ranked by Culture Difficulty)

High-Difficulty Cells :

- Primary neural cells: hNPC/hOB/pH-BD
- Cross-species cells: Caprine SMSCs/primary ovine preadipocytes/Swine testicular ST cells
- Sensitive tumor models: H1975 lung adenocarcinoma/OCI-MY5 myeloma

Conventional Tumor Cells :

- Lung cancer: A549, NCI-H1975, NCI-H1299, NCI-H460, 95-D
- Breast cancer: MCF-7, MB-231, BT549
- Liver cancer: HepG2
- Hematologic malignancies: H929, KMS28BM, MM cells
- Prostate cancer: PC3, 22RV1
- Specialized models: ARP1, CAG

Basic Research Cells :

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

- Fibroblasts: L929/NIH3T3
- Engineered cells: 293T/HEK293/CHO

Four Irreplaceable Values

1 . Optimal Cost-Performance Balance :

- Endotoxin ≤ 10 EU/ml (meets international pharmacopeia standards)
- Batch-to-batch consistency $\leq 3\%$

2 . Comprehensive Research Coverage :

- Validated for over 30 cell types across oncology, stem cells, and immunology

3 . Regulatory Compliance :

- Compliant with ISO 13485 and USP <1132> standards

4 . Global Accessibility :

- Email: info@invigentech.com
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