

VivaCell FBS - Select

- ★ Excellent cell proliferation performance - tested with multiple cell lines;
- ★ Minimal batch-to-batch variation;
- ★ Triple 0.1µm filtration in ISO13485-certified facility, compliant with GMP manufacturing;
- ★ Tested for viruses, mycoplasma, and sterility, with low endotoxin;
- ★ Customized services – Heat inactivation and γ (gamma)- irradiation available.

Try out our 100% pure FBS with low cost and high quality



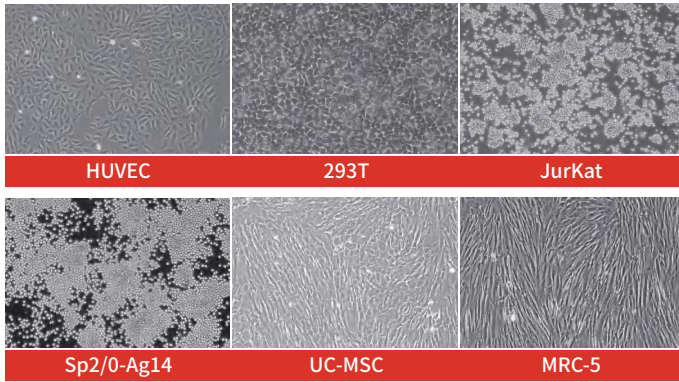
Product COA Specifications (partial items)

C2880 (500 ml, 50 ml, 50 ml*10, 10 ml)

Test Item	Test Standard
Mycoplasma	Negative
Sterility	Negative
Endotoxin	<10 EU/mL
IgG	<500 mg/L
Osmolality	270-345 mOsm/kg
Hemoglobin	0-30 mg/dL
Performance test: Growth assay	>80%
Performance test: Clonal assay	>80%
pH	7.00-8.00
VT-Bluetongue Virus (BTV)	Negative
VT-Bovine Viral Diarrhea (BVD)	Negative
VT-Parainfluenza Type 3 (PI-3)	Negative
VT-Bovine Rhinotracheitis (BR)	Negative

Cell Morphology

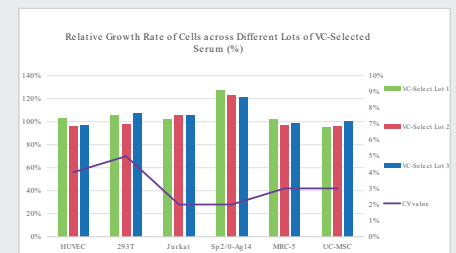
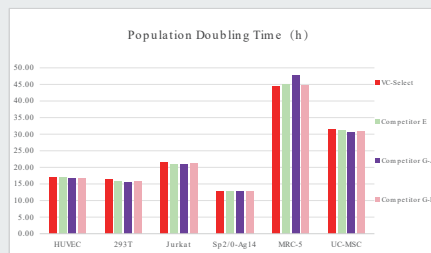
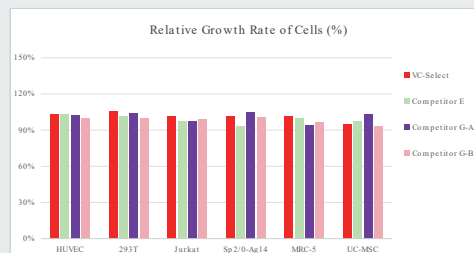
Cell morphology remains normal after 3 passages



Cell Type	Source	Cell Adhesion Property	Morphology
HUVEC	Human Umbilical Vein Endothelial Cells	Adherent Cells	Endothelial Cell-like
Jurkat	Human T - Lymphoblastic Leukemia Cells	Suspension Cells	Lymphoblast-like
293T	Human Embryonic Kidney Cells	Adherent Cells	Epithelial Cell-like
Sp2/0-Ag14	Mouse Myeloma Cells	Semi-adherent Cells	Lymphoblast-like
UC-MSC	Human Umbilical Cord-Derived Mesenchymal Stem Cells	Adherent Cells	Fibroblast-like
MRC-5	Human Embryonic Lung Cells	Adherent Cells	Fibroblast-like

Cell Proliferation Verification

Cells maintain stable proliferation after 3 or more passages.



VivaCell FBS-Select is on par with or outperforms other competitor FBS in terms of the relative growth rate and population doubling time;
VivaCell FBS-Select Bovine Serum delivers consistent quality across batches, with minimal batch-to-batch variation.

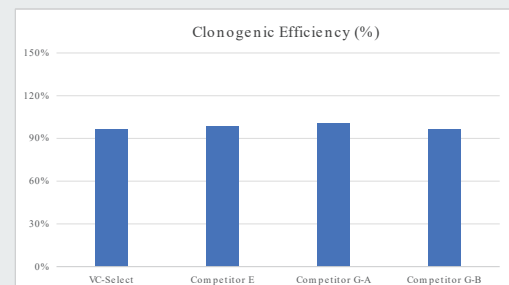
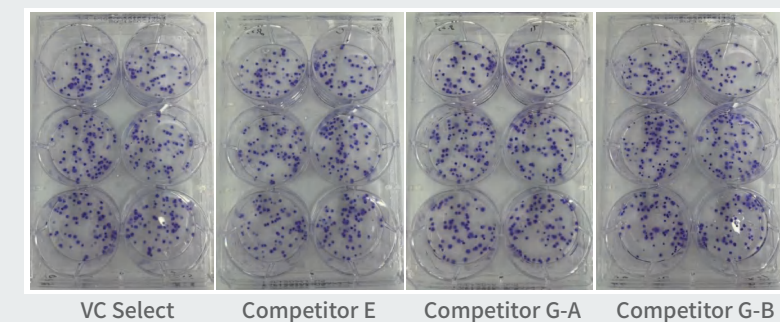
Testing three different serum batches on six cell types showed all CVs for the relative growth rate were $\leq 5\%$, indicating low batch-to-batch variation in VivaCell FBS-Select.

Cell Cloning Assay

High Single - Cell Survival Rate and Strong Proliferation Ability

The cell cloning assay is the preferred method for analyzing the proliferation ability and survival rate of single cells and is usually used to evaluate the quality of serum.

Experimental Conclusion: In the clone formation test of each batch of serum, the single - cell survival rate is high and the proliferation ability is strong.



**The cell culture data are the test results from internal laboratory and are for reference only.*

Product Catalog

Product Code	Product Name	Specification
C2880	Fetal Bovine Serum - Select	500 ml/50 ml/50 ml*10/10 ml