

Certificate of Analysis

Product Name	Characterized Fetal Bovine Serum (VSA)		
Cat.No.	F9052L	Storage Conditions	-20°C
Lot.No.	231227E01-02	Expiration Date	26-12-2028
Molecular Formula	N/A	Molecular Weight	N/A
CAS Number	N/A	Excitation Emission	N/A
Quality Control			
Items	Specification		Result
Packaging appearance	Intact and undamaged		Intact and undamaged
Appearance	Light yellow clear slightly viscous liquid		Light yellow clear slightly viscous liquid
Weight/volume	500-510mL		500mL
pH (25°C)	7.00~8.00		7.32
Osmotic pressure	280~330mOsm/kg		308.6mOsm/kg
Total protein	30~50 g/L		34.5g/L
Endotoxin	≤5Eu/ml		< 1Eu/ml
Hemoglobin	≤200mg/L		105.73mg/L
Sterility testing	Negative		Negative
Mycoplasma	Negative		Negative
Bacteriophage	Negative		Negative
Bovine Respiratory Syncytial Virus(BRSV)	Negative		Negative
Bovine Viral Diarrhoea Virus (BVDV)	Negative		Negative



Bovine Parvovirus (BPV)	Negative	Negative	
Bluetongue (BTV)	Negative	Negative	
Bovine Adenovirus Type 5 (BAV-5)	Negative	Negative	
Rabies Virus	Negative	Negative	
Reovirus	Negative	Negative	
Parainfluenza Type-3 (PI3)	Negative	Negative	
Peak cell growth(SP2/0-Ag14)	Reference	1.23×10^6	
Doubling time of cell growth (293T)	Reference	15h	
Doubling time of cell growth (Vero)	Reference	18h	
Doubling time of cell growth (SP2/0-Ag14)	Reference	19h	
Cell cloning rate (SP2/0-Ag14)	Reference	90%	
Relative survival rate of cells(SP2/0-Ag14)	Reference	100%	
Relative survival rate of cells(293T)	Reference	100%	
Relative survival rate of cells(Vero)	Reference	100%	
Appendix			
This Product has been tested and the components have been found to conform to UE quality standards.			
Conclusion	Up to standard	Report Date	30-07-2025
QC	<i>Chen ming Jiang</i>	QA	<i>Qin Hua-Yu</i>

