

Certificate of Analysis

Product Name	Characterized Fetal Bovine Serum (VSA)		
Cat.No.	F9052S	Storage Conditions	-20°C
Lot.No.	230412E01-01	Expiration Date	11-04-2028
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	10-10.5mL		10mL
pH (25°C)	7.00~8.00		7.49
Osmotic pressure (mOsm/kg)	280~330		300
Total protein (g/L)	30~50		38.4
Endotoxin(Eu/ml)	≤5		< 1
Hemoglobin(mg/L)	≤200		94.7
Sterility Testing	Negative		Negative
Mycoplasma	Negative		Negative
BRSV	Negative		Negative
BVDV	Negative		Negative
BPV	Negative		Negative
BTV	Negative		Negative
BAV-5	Negative		Negative
Rabies	Negative		Negative



Reovirus	Negative	Negative	
PI3	Negative	Negative	
293T Growth curve peak	Reference	1.6×10^6	
Raw264.7 Growth curve peak	Reference	2.2×10^6	
A549 Growth curve peak	Reference	1.7×10^6	
MCF-7 Growth curve peak	Reference	1.9×10^6	
293T Cell doubling time	Reference	16h	
Raw264.7 Cell doubling time	Reference	24h	
A549 Cell doubling time	Reference	21h	
MCF-7 Cell doubling time	Reference	23h	
293T cloning efficiency	Reference	89%	
Raw264.7 cloning efficiency	Reference	93%	
A549 cloning efficiency	Reference	96%	
MCF-7 cloning efficiency	Reference	95%	
293T Relative survival rate	Reference	94%	
Raw264.7 Relative survival rate	Reference	95%	
A549 Relative survival rate	Reference	98%	
MCF-7 Relative survival rate	Reference	99%	
Appendix			
This Product has been tested and the components have been found to conform to UE quality standards.			
Conclusion	Up to standard	Report Date	30-06-2023
QC	Jiaxing Wu	QA	Qin Hua-Yu

