

# Certificate of Analysis

<b>Product Name</b>	Characterized Fetal Bovine Serum (VSA)		
<b>Cat.No.</b>	F9052L	<b>Storage Conditions</b>	-20°C
<b>Lot.No.</b>	230417E01-03	<b>Expiration Date</b>	16-04-2028
<b>Molecular Formula</b>	N/A	<b>Molecular Weight</b>	N/A
<b>CAS Number</b>	N/A	<b>Excitation Emission</b>	N/A
<b>Quality Control</b>			
<b>Items</b>	<b>Specification</b>	<b>Result</b>	
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	7.49	
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 <sup>6</sup>	
Raw264.7 Growth curve peak	Reference	2.2×10 <sup>6</sup>	
A549 Growth curve peak	Reference	1.7×10 <sup>6</sup>	
MCF-7 Growth curve peak	Reference	1.9×10 <sup>6</sup>	
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	17-04-2023
QC	Jiaxing Wu	QA	Qin Hua-Yu

