

Certificate of Analysis

Product Name	Fetal Bovine Serum (Superfine)		
Cat.No.	F9070L	Storage Conditions	Store at -20 °C
Lot.No.	230426E01-01	Expiration Date	25-04-2028
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	500-510 mL	500mL	
pH	7.0–8.0	7.41	
Osmolality	280-330mOsm/kg	302.8mOsm/kg	
Total Protein	30-50g/L	35.6g/L	
Haemoglobin	≤200mg/L	103.7mg/L	
Endotoxin	≤5EU/mL	<1EU/mL	
Sterility testing	Negative	Negative	
Mycoplasma	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
Cell growth peak (293T)	Reference	1.8×10^6
Cell growth peak (Raw264.7)	Reference	2.1×10^6
Cell growth peak (A549)	Reference	1.7×10^6
Cell growth peak (MCF-7)	Reference	1.5×10^6
Cell growth doubling time (293T)	Reference	14h
Cell growth doubling time (Raw264.7)	Reference	22h
Cell growth doubling time (A549)	Reference	21h
Cell growth doubling time (MCF-7)	Reference	22h
Cell cloning rate (293T)	Reference	96%
Cell cloning rate (Raw264.7)	Reference	95%
Cell cloning rate (A549)	Reference	96%
Cell cloning rate (MCF-7)	Reference	96%
Relative cell survival rate (293T)	Reference	97%
Relative cell survival rate (Raw264.7)	Reference	98%
Relative cell survival rate (A549)	Reference	97%
Relative cell survival rate (MCF-7)	Reference	98%
Appendix		
This Product has been tested and the components have been found to conform to UE quality		



standards.			
Conclusion	Up to standard	Report Date	04-07-2023
QC	Jiaxing Wu	QA	Qin Hua-Yu

