



Guangzhou Genxion Biotechnology Co.,Ltd

Certificate of Analysis

Product	FBS 特级胎牛血清 ES 级		
Cat.No.	GxFBS-10×050SE		
Lot.	2401520	Expiry Date	01/2029
Storage	≤-15°C	Manufacturing Date	01/2024

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8–8.2	7.3	
Osmolality ⁽¹⁾	280–340	317	mOsm/kg
Endotoxin ⁽²⁾	As reported	<0.5	EU/ml
Hemoglobin ⁽³⁾	≤ 25.0	In Testing	mg/dl
Glucose ⁽⁴⁾	As reported	2.61	mM
Calcium ⁽³⁾	As reported	3.6	mM
Phosphorous ⁽³⁾	As reported	2.91	mM
GOT/AST ⁽³⁾	As reported	52	U/l
LDH ⁽³⁾	As reported	576	U/l

Protein Profile			
Total Protein ⁽⁵⁾	≤4.5	3.9	g/dl
Albumin ⁽⁶⁾	As reported	2.43	g/dl
IgG ⁽⁷⁾	≤ 300.0	In Testing	mg/l

Sterility Testing			
Sterility ⁽⁸⁾	Sterile	In Testing	
Mycoplasma ⁽⁹⁾	Not detected	Not detected	

Virus Testing ⁽¹⁰⁾			
Bovine Herpes Virus (BHV-1 and BHV-5)	Not detected	Not detected	
Pestivirus (e.g. BVD-V)	Not detected	Not detected	
Para influenza Virus Type 3 (PI-3)	Not detected	Not detected	

Biological Performance			
Cell Growth HEK293 (Human Embryonic Kidney Cell Line) ⁽¹¹⁾	≥ 75.0	Pass	%
Cell Growth CHO (Chinese Hamster Ovary Cell Line) ⁽¹¹⁾	≥ 75.0	Pass	%
Mouse Stem Cell Test ES(D3) ⁽¹²⁾	≥ 75.0	Pass	%

References/Methods

(1) Freeze Point Depression	(7) ELISA
(2) LAL-Test	(8) Membrane Filtration (total plate count, aerobic and anaerobic bacteria, yeasts and fungi)
(3) Photometry	(9) PCR
(4) Hexokinase Assay	(10) Cytopathic Effect in Cell Culture and Immunofluorescence
(5) Biuret Colorimetry	(11) Cell Promoting Assay
(6) Nephelometry	(12) Inhibition Test on Differentiation

Intended Use For research use only.