Certificate of Analysis

Product	Fetal Bovine Serum Tetracycline Negative, Collected in South America, sterile-filtered		
Cat. No.	AB-FBS-TET-0500 (500 ml), AB-FBS-TET-0050 (50 ml)		
Lot. No.	20214390	Expiry Date	08/2026
Origin	South America	Manufacturing Date	08/2021
Storage	≤-15°C		

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8 – 8.2	7.24	
Osmolality[1]	280 – 340	308	mOsm/kg
Endotoxin[2]	As reported	< 0.25	EU/ml
Hemoglobin[3]	≤ 25	10.4	mg/dl
Tetracycline/-derivates	≤ 0.5	Pass	µg/ml
Glucose[4]	As reported	3.27	mM
Calcium[3]	As reported	2.84	mM
Phosphorous[3]	As reported	2.58	mM
GOT/AST[3]	As reported	38	U/l
LDH[3]	As reported	548	U/l

Protein Profile	Specification	Result	Unit
Total Protein[5]	3.0 – 4.5	3.6	g/dl
Albumin[6]	As reported	2.1	g/dl
IgG[7]	≤ 250	195.69	mg/l

Sterility Testing	Specification	Result	Unit
Bacteria and Fungi[8]	Not detected	Not detected	
Mycoplasma[9]	Not detected	Not detected	

Virus Testing[10]	Specification	Result	Unit
Bovine Herpes Virus (BHV-1 and BHV-5)	Not detected	Not detected	
Pestivirus (e.g. BVD-V)	Not detected	Not detected	
Parainfluenza Virus Type 3 (PI-3)	Not detected	Not detected	

Biological Performance	Specification	Result	Unit
Cell Growth MDCK (Canine Kidney Epithelial Cell Line)[11]	≥ 75.0	101.0	%
Cell Growth CHO (Chinese Hamster Ovary Cell Line)[11]	≥ 75.0	105.0	%

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			

Intended Use	For research use only.
Date	November 12, 2021

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