

Certificate of Analysis (Preliminary)

Product	Fetal Bovine Serum, sterile-filtered		
Cat. No.	AB-FBS-0500 , AB-FBS-1050		
Lot. No.	AB20225225	Storage	≤ -15°C
Manufacturing Date	2022.06	Expiry Date	2025.06

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8 – 8.2	7.36	
Osmolality ⁽¹⁾	280 – 340	321	mOsm/kg
Endotoxin ⁽²⁾	As reported	0.41	EU/ml
Hemoglobin ⁽³⁾	≤ 25	8.16	mg/dl
Glucose ⁽⁴⁾	As reported	1.44	mM
Calcium ⁽³⁾	As reported	1.81	mM
Phosphorous ⁽³⁾	As reported	5.97	mM
GOT/AST ⁽³⁾	As reported	39	U/l
LDH ⁽³⁾	As reported	324	U/l

Protein Profile			
Total Protein ⁽⁵⁾	4.5	2.4	g/dl
Albumin ⁽⁶⁾	As reported	1.62	g/dl

Sterility Testing			
Bacteria and Fungi ⁽⁸⁾	Not detected	Not detected	
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	
Parainfluenza Virus Type 3 (PI-3)	Not detected	Not detected	

Biological Performance			
Cell Growth MDCK (Canine Kidney Epithelial Cell Line) ⁽¹¹⁾	≥ 75	99.0	%
Cell Growth CHO (Chinese Hamster Ovary Cell Line) ⁽¹¹⁾	≥ 75	85.0	%

References/Methods

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

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