

Certificate of Analysis Preliminary

Product	Fetal Bovine Serum Advanced Collected in South America, sterile-filtered			
Cat. No.	AB-FBS-0500S(500 ml), AB-FBS-1050S (500 ml), AB-FBS-0050S (50 ml)			
Lot. No.	AB20225015	Expiry Date	01/2027	
Origin	South America	Manufacturing Date	01/2022	
Storage	≤-15°C			

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
рН	6.8 - 8.2	7.07	
Osmolality ⁽¹⁾	280 - 340	317	mOsm/kg
Endotoxin ⁽²⁾	As reported	1.73	EU/ml
Hemoglobin ⁽³⁾	≤ 25	In testing	mg/dl
Glucose ⁽⁴⁾	As reported	5.11	mM
Calcium ⁽³⁾	As reported	2.98	mM
Phosphorous ⁽³⁾	As reported	3.0	mM
GOT/AST ⁽³⁾	As reported	41	U/I
LDH ⁽³⁾	As reported	455	U/I

Total Protein ⁽⁵⁾	3.0 - 4.5	3.8	g/dl
Albumin ⁽⁶⁾	As reported	2.67	g/dl
IgG ⁽⁷⁾	≤ 250	In testing	mg/l

Sterility Testing			
Bacteria and Fungi®	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	97.0	%
Cell Growth CHO (Chinese Hamster Ovary Cell Line)(11)	≥ 75	99.0	%

	Refere	nces/ivietno	JS		
	(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					
	Intend	ed Use	For research use only.		
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Date February 22, 2022

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