

Certificate of Analysis

Product	Fetal Bovine Serum Charcoal Stripped Collected in South America, sterile-filtered		
Cat. No.	AB-FBS-CS-0500, AB-FBS-CS-1050, AB-FBS-CS-0050		
Lot. No.	AB20214159	Expiry Date	04/2026
Origin	South America	Manufacturing Date	04/2021
		Storage	≤-15°C

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8 – 8.2	7.90	
Osmolality ⁽¹⁾	280 – 340	299	mOsm/kg
Endotoxin ⁽²⁾	As reported	1.30	EU/ml
Hemoglobin	≤ 25	21.18	mg/dl
Glucose	As reported	1.64	mM
Calcium	As reported	3.17	mM
Phosphorous	As reported	2.62	mM
GOT/AST	As reported	57	U/l
LDH	As reported	2898	U/l

Protein Profile			
Total Protein ⁽³⁾	3.0 – 4.5	4.1	g/dl
Albumin ⁽⁴⁾	As reported	1.89	g/dl
IgG	≤ 400.0	194.07	mg/l

Sterility Testing			
Bacteria and Fungi	Not detected	Not detected	
Mycoplasma ⁽⁵⁾	Not detected	Not detected	

Virus Testing ⁽⁶⁾			
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 L929 (Murine Fibroblast Cell Line) ⁽⁷⁾	≥ 75.0	97.0	%
Cell Growth HELA (Human Epithelial Cell Line) ⁽⁷⁾	≥ 75.0	98.0	%

References/Methods

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| (1) Freeze Point Depression | (5) Cell Culture |
| (2) Chromokinetic Test | (6) Cytopathic Effect in Cell Culture and ELISA |
| (3) Biuret Colorimetry | (7) Growth Promoting Assay |
| (4) Immunoturbidimetry | |

Intended Use For research use only.

Date June 01, 2021

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