

Certificate of Analysis

Product	Fetal Bovine Serum. Collected in South America, sterile-filtered		
Cat. No.	AB-FBS-0500, AB-FBS-1050		
Lot No.	AB20212506	Expiry Date	10/2023
Origin	South America	Manufacturing Date	10/2018
		Storage	≤ -15°C

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8 – 8.2	7.26	
Osmolality ⁽¹⁾	280 – 340	309	mOsm/kg
Endotoxin ⁽²⁾	As reported	18.4	EU/ml
Hemoglobin	≤ 25	3.8	mg/dl
Glucose	As reported	2.67	mM
Calcium	As reported	2.94	mM
Phosphorous	As reported	2.46	mM
GOT/AST	As reported	20	U/l
LDH	As reported	980	U/l
Protein Profile			
Total Protein ⁽³⁾	3.0 – 4.5	4.2	g/dl
Albumin ⁽⁴⁾	As reported	22	g/dl
IgG	≤ 250	0.2	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 HeLa (Human Epithelial Cells) ⁽⁷⁾	≥ 75 %	100%	
Cell Growth L929 (Murine Fibroblasts) ⁽⁷⁾	≥ 75 %	99%	

References/Methods

⁽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: January 14, 2019

This document has been created digitally and is valid without a signature.