

Certificate of Analysis

Product	NeoFBS, Fetal Bovine Serum, Collected in South America, sterile-filtered		
Cat. No.	NB-58-0004A (500 ml), NB-58-0004B (100 ml)		
Lot. No.	CP23-6000	Expiry Date	01/2026
Origin	Mexico	Manufacturing Date	01/2023
Storage	≤15°C		

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8- 8.	706	
Osmolality ⁽¹⁾	280- 340	323	mOsm/kg
Endotoxin ⁽²⁾	As reported	<0.25	EU/m
Hemoglobin ⁽³⁾	≤ 25	6.2	mg/d
Glucose ⁽⁴⁾	As reported	2.39	mM
Calcium ⁽³⁾	As reported	181	mM
Phosphorous ⁽³⁾	As reported	6.43	mM
GOT/AST ⁽³⁾	As reported	6	U/
LDH ⁽³⁾	As reported	310	U/

Protein Profile			
Total Protein ⁽⁵⁾	≤ 4.5	23	g/d
Albumin ⁽⁶⁾	As reported	156	g/d
IgG ⁽⁷⁾	≤ 300.0	82.	mg/

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 (P 3)	Not detected	Not detected	

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

References/Method

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| (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 | * Out of Specification |

Intended Use For research use only

Date January 31, 2023

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