

## NeoFBS Fetal Bovine Serum Collected in South America

#Cat: NB-58-0004A Size: 500ml

#Cat: NB-58-0004B Size: 100ml

### Certificate of Analysis

Product NeoFBS, Fetal Bovine Serum, Collected in South America  
 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  $\leq -15^{\circ}\text{C}$

Quality Profile	Specification	Result	Unit
Appearance	Clear amber	Pass	
pH	6.8 – 8.2	7.06	
Osmolality <sup>(1)</sup>	280 – 340	323	mOsm/kg
Endotoxin <sup>(2)</sup>	As reported	< 0.25	EU/ml
Hemoglobin <sup>(3)</sup>	$\leq 25$	6.2	mg/dl
Glucose <sup>(4)</sup>	As reported	2.39	mM
Calcium <sup>(3)</sup>	As reported	1.81	mM
Phosphorous <sup>(3)</sup>	As reported	6.43	mM
GOT/AST <sup>(3)</sup>	As reported	61	U/l
LDH <sup>(3)</sup>	As reported	310	U/l

Protein Profile			
Total Protein <sup>(5)</sup>	$\leq 4.5$	2.3	g/dl
Albumin <sup>(6)</sup>	As reported	1.56	g/dl
IgG <sup>(7)</sup>	$\leq 300.0$	82.3	mg/l

Sterility Testing			
Bacteria and Fungi <sup>(8)</sup>	Not detected	Not detected	
Mycoplasma <sup>(9)</sup>	Not detected	Not detected	

Virus Testing <sup>(10)</sup>			
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) <sup>(11)</sup>	$\geq 75$	Pass	%
Cell Growth CHO (Chinese Hamster Ovary Cell Line) <sup>(11)</sup>	$\geq 75$	Pass	%

#### References/Methods

- |                             |   |
|-----------------------------|---|
| (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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