



5370 NW 35th Terrace, Suite 112, Fort Lauderdale, FL 33309 | phone: 888-927-5629 | fax: 954-590-8322 | orders@alkalisci.com | www.alkalisci.com

Certificate of Analysis

For Products:

FB72: Fetal Bovine Serum, USDA Approved Origin

FB73: Fetal Bovine Serum, USDA Approved Origin, Heat Inactivated

Batch /Lot No: 239024

Expiration Date: January 2028

Volume: 500 mL

Storage: ≤ -20°C

Origin: Nicaragua

Filtration: Triple 0.1 µm membrane filtered

QUALITY PROFILE

Endotoxin	< 0.100 EU/mL		Viral Testing
Mycoplasma	Not Detected	BAV-1	Not Detected
Osmolality	322.0 mOsm/kg H ₂ O	BAV-3	Not Detected
pH	7.3	BAV-5	Not Detected
Sterility	Pass	Blue Tongue	Not Detected
		BPV	Not Detected
Hormone Panel		BRSV	Not Detected
Cortisol	< 0.2 µg/dL	BVD (Cytopathic)	Not Detected
Insulin	8.76 uIU/mL	IBR	Not Detected
Progesterone	<0.06 ng/mL	PI3	Not Detected
T3	66.70 ng/dL	Rabies	Not Detected
T4	14.60 µg/dL	ReoVirus	Not Detected
Testosterone	< 0.01 ng/mL		

CHEMICAL PARAMETERS

Alkaline Phosphatase	336.00 U/L	Hemoglobin	13.31 mg/dL
ALT (SGPT)	10.00 U/L	GGT	4.00 U/L
AST (SGOT)	52.00 U/L	IgG	169.80 mg/L
Bilirubin	0.10 mg/dL	Iron	168.00 µg/dL
Urea Nitrogen (BUN)	18.00 mg/dL	Magnesium	2.60 mEq/L
Calcium	14.30 mg/dL	Phosphorus	8.20 mg/dL
Cholesterol	36.00 mg/dL	Potassium	10.60 mEq/L
Chloride	101.00 mEq/L	Sodium	138.00 mEq/L
Creatinine	2.70 mg/dL	Triglyceride	49.00 mg/dL
Glucose	46.00 mg/dL	Uric Acid	0.90 mg/dL

PROTEIN ELECTROPHORESIS

Albumin	1.80 g/dL	Beta Globulins	0.20 g/dL
Alpha Globulins	1.80 g/dL	Gamma Globulins	0.10 g/dL
		Total Protein	3.80 g/dL

ANTIBIOTICS/ANTIMYCOTIS

Tetracycline	2.00 ng/mL
--------------	------------



5370 NW 35th Terrace, Suite 112, Fort Lauderdale, FL 33309 | phone: 888-927-5629 | fax: 954-590-8322 | orders@alkalisci.com | www.alkalisci.com

Certificate of Analysis

For Products:

FB72: Fetal Bovine Serum, USDA Approved Origin

FB73: Fetal Bovine Serum, USDA Approved Origin, Heat Inactivated

Batch /Lot No: 239024

Expiration Date: January 2028

Volume: 500 mL

Storage: ≤ -20°C

Origin: Nicaragua

Filtration: Triple 0.1 µm membrane filtered

BIOLOGICAL PERFORMANCE

Cell Type: SP2/0-Ag14 Day 3	96.10 %	Relative Colony Forming Efficiency	108.80 %
Cell Type: MRC-5 Day 5	94.00 %	Absolute Colony Forming Efficiency	80.70 %
Cell Type: CHO K1 Day 3	91.50 %	Relative Cloning Efficiency	85.70 %
		Absolute Cloning Efficiency	37.50 %

Origin Statement

This lot was manufactured from fetal bovine blood collected from USDA-approved facilities located in countries recognized by the United States Department of Agriculture - Animal and Plant Health Inspection Service (USDA-APHIS). All fetal bovine serum is derived from fetuses collected from healthy bovine cows and heifers that have passed ante and post-mortem inspection and were found free of contagious diseases.

This material was imported into the United States under a USDA-APHIS-issued import permit.

Test Results Reviewed by*

QUALITY

March 7, 2023

DATE

THIS PRODUCT IS FOR FURTHER MANUFACTURING OR RESEARCH USE ONLY. IT IS NOT INTENDED FOR HUMAN OR THERAPEUTIC USE. Alkali Scientific reserves the right to change test methods, specifications, and/or cell lines used in growth promotion tests without providing advance notice. Additional testing is available upon request. Charges may apply.

Test results for this product are obtained from third-party certified testing facilities. Alkali Scientific relies on its manufacturer(s) to conduct periodic audits of those facilities. Such audits provided Alkali Scientific and its manufacturer(s) with sufficient confidence in the facilities' level of compliance.