

Certificate of Analysis

Fetal Bovine Serum
0.1µm Sterile Filtered
Virus & Mycoplasma Tested
USDA Approved Origin: Guatemala

Catalog Number: 25-550 / 25-550H
Lot Number: GS0618-320G17
Validation Date: 02/2018
Expiration Date: 11/2022

Quality

TEST	SPECIFICATION	RESULT
Endotoxin	<30 EU/mL	<0.2 EU/mL
Hemoglobin	<30 mg/dL	17.34 mg/dL

Microbiological Testing

TEST	SPECIFICATION	RESULT
Sterility	Passed	Passed
Bacteria & Fungi	Sterile	Sterile
Mycoplasma	Not Detected	Not Detected

Virus Testing

	SPECIFICATION	RESULT
BVD Virus	Tested	Not Detected
IBR Virus	Not Detected	Not Detected
P13 Virus	Not Detected	Not Detected

Physical Analyses

TEST	SPECIFICATION	RESULT
Protein electrophoresis		
Alpha Globulins	Check & Record (g/L)	13.1
Beta Globulins	Check & Record (g/L)	6.5
Gamma Globulins	Check & Record (g/L)	0.6
Osmolality (mOsm/Kg)	Check & Record	296
pH	Check & Record	7.26

Biochemical Assay

	SPECIFICATION	UNITS	RESULT
Albumin	Check & Record	g/L	16.0
Alkaline Phosphatase	Check & Record	U/L	393
Creatinine	Check & Record	mg/dL	2.8
Cholesterol	Check & Record	mg/dL	36
Glucose	Check & Record	mg/dL	76
AST (SGOT)	Check & Record	U/L	33
ALT (SGPT)	Check & Record	U/L	9
IgG (ELISA)	Check & Record	mg/L	170.3
Lactate Dehydrogenase (LDH)	Check & Record	U/L	592
Total Bilirubin	Check & Record	mg/dL	0.2
Total Protein	Check & Record	g/L	36.2



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Biochemical Assay	SPECIFICATION	UNITS	RESULT
Uric Acid	Check & Record	mg/dL	2.2
Calcium	Check & Record	mg/dL	14
Chloride	Check & Record	mMol/L	100
Phosphorus	Check & Record	mg/dL	8.8
Iron	Check & Record	µg/dL	164
Potassium	Check & Record	mMol/L	11.4
Sodium	Check & Record	mMol/L	136
Urea	Check & Record	mg/dL	35
Triglyceride	Check & Record	mg/dL	64
Gamma GT	Check & Record	U/L	7

Performance Testing

Test	Specification	Unit	Result
Cell Line L929- 3rd day	Check & Record	%	125
Cell Line L929- 6th day	Check & Record	%	116
Cell Line SP2- 3rd day	Check & Record	%	118
Cell Line SP2- 6th day	Check & Record	%	95
Cell Line HELA - 3rd day	Check & Record	%	125
Cell Line HELA - 6th day	Check & Record	%	125
Cell Line MRC5- 3rd day	Check & Record	%	78
Cell Line MRC5- 6th day	Check & Record	%	121
Plating Efficiency - Cells implanted	500		500
Plating Efficiency- Number of colonies	Check & Record		437
Plating Efficiency- PE absolute	Check & Record	%	87
Plating Efficiency- PE relative	Check & Record	%	96
Cloning Efficiency - Cells implanted per well	1		1
Cloning Efficiency - Number of clones	Check & Record		36
Cloning Efficiency - CE absolute	Check & Record	%	37
Cloning Efficiency -CE relative	Check & Record	%	83