

CERTIFICATE OF ANALYSIS

Fetal Bovine Serum (Ireland Origin) - 500ml Unpacked

Batch N°	S00GG	Storage	-20°C
ID N°	S00GG1	Filtration	Triple 0.1 µm filtered
Material N°	MSC1800S-500U	Batch size	1022,00 L
Validation date	05-NOV-2020	Origin	Ireland
Expiry date	04-NOV-2025		

QUALITY PROFILE				
Tests	Methods	Units	Specifications	Results
Appearance	Visual Control	-	Clear straw to amber liquid	Conform
Bacteria and Fungi	Culture	-	Not detected	Not detected
Mycoplasma	Culture	-	Not detected	Not detected
pH	Internal validated method	-	For information	7,16
Osmolality	Freezing point . EU Ph. 2.2.35	mOsm/kg	For information	305
Endotoxin	Chromokin. test Method D of EU Ph.2.6.14	EU/ml	As low as possible	0,436
Haemoglobin	Internal validated method	mg/100ml	As low as possible	16,96
Total protein	Biuret colorimetry	g/l	For information	33,0
Pestivirus eg. BVD virus	Cell culture observation and IFA	-	Tested	Tested
Cytopathogenic Agents eg. IBR / BHV-1	Cell culture observation	-	Not detected	Not detected
Haemadsorbing Agents eg. PI3 virus	Cell culture observation	-	Not detected	Not detected

CHEMICAL PARAMETERS				
Tests	Methods	Units	Specifications	Results
ALAT (SGPT)	UV kinetic at 37°C	IU/l	For information	8
Alkaline Phosphatase	Colorimetry kinetic at 37°C	IU/l	For information	219
ASAT (SGOT)	UV kinetic at 37°C	IU/l	For information	52
Bilirubin	DPD / caffeine colorimetry	mg/100ml	For information	0,18
Calcium	Arsénazo colorimetry	mg/100ml	For information	12,4
Gamma GT	Colorimetry kinetic at 37°C	IU/l	For information	6
Cholesterol	Cholesterase Trinder colorimetry	mg/100ml	For information	31,0
Creatinine	Colorimetry Kinetic (Jaffé)	mg/100ml	For information	2,2
Chloride	Indirect potentiometry	mmol/l	For information	102
Glucose	Hexokinase UV	mg/100ml	For information	123,0
Iron	TPTZ colorimetry	µg/100ml	For information	198
Lactate Dehydrogenase	UV kinetic at 37°C	IU/l	For information	401
Phosphorus	Phosphomolybdate colorimetry	mg/100ml	For information	10,1
Potassium	Indirect potentiometry	mmol/l	For information	11,8
Sodium	Indirect potentiometry	mmol/l	For information	137
Triglycerides	Glycerokinase Trinder colorimetry	mg/100ml	For information	69,0
Urea	Urease UV	mg/100ml	For information	31,0
Uric Acid	Uricase trinder colorimetry	mg/100ml	For information	2,5



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PROTEIN ELECTROPHORESIS				
Tests	Methods	Units	Specifications	Results
Albumin	Immunoturbidimetry	g/l	For information	13,8
Alpha Globulins	Immunoturbidimetry	g/l	For information	14,2
Beta Globulins	Immunoturbidimetry	g/l	For information	4,6
Gamma Globulins	Immunoturbidimetry	g/l	For information	0,4

ELISA TEST				
Tests	Methods	Units	Specifications	Results
IgG	ELISA test	mg/l	For information	202,3

BIOLOGICAL PERFORMANCE				
Tests	Methods	Units	Specifications	Results
L929 cell growth : 3rd day	Internal validated method	%	For information	121
L929 cell growth : 6th day	Internal validated method	%	For information	125
SP2/O-Ag14 cell growth : 3rd day	Internal validated method	%	For information	77
SP2/O-Ag14 cell growth : 6th day	Internal validated method	%	For information	100
HELA cell growth : 3rd day	Internal validated method	%	For information	124
HELA cell growth : 6th day	Internal validated method	%	For information	100
MRC-5 cell growth : 3rd day	Internal validated method	%	For information	90
MRC-5 cell growth : 6th day	Internal validated method	%	For information	68
Plating efficiency -cells implanted	Internal validated method	-	500	500
Plating efficiency - number of colonies	Internal validated method	-	For information	407
Plating efficiency - PE absolute	Internal validated method	%	For information	81
Plating efficiency - PE relative	Internal validated method	%	For information	99
Cloning efficiency -cells implanted/well	Internal validated method	-	1	1
Cloning efficiency - number of clones	Internal validated method	-	For information	66
Cloning efficiency - CE absolute	Internal validated method	%	For information	69
Cloning efficiency - CE relative	Internal validated method	%	For information	78

All fetal bovine sera are collected from registered slaughterhouses under the supervision of government veterinary authorities.
All sera are collected from EU approved countries

LCAILLEAU
Quality Department
Date

01-DEC-2020