

CERTIFICATE OF ANALYSIS
Fetal Bovine Serum (EU Origin) - 500ml

Batch N°	SF-S00GG	Storage	-20°C
ID N°	S00GG10009	Filtration	Triple 0.1 µm filtered
Material N°	SF1400-500	Batch size	1022,00 L
Production 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	-	6,80 - 8,00	7,16
Osmolality	Freezing point . EU Ph. 2.2.35	mOsm/kg	280 - 345	305
Endotoxin	Chromokin. test Method D of EU Ph.2.6.14	EU/ml	0,000 - 50,000	0,436
Haemoglobin	Internal validated method	mg/100ml	0,00 - 40,00	16,96
Total protein	Biuret colorimetry	g/l	25,0 - 55,0	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 / cafeine 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

Animals are slaughtered in European countries. During slaughter, control in regard to Bovine Spongiform Encephalopathy (BSE) are made on animals according regulation EC 999/2001.
 All fetal bovine sera are collected from registered slaughterhouses under the supervision of government veterinary authorities.

LCAILLEAU
 Quality Department
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