

CERTIFICATE OF ANALYSIS

Fetal Bovine Serum (EU Origin), E.V. Depleted - 50ml

Batch N°	S00RV	Storage	-20°C
ID N°	S00RV2	Filtration	0.2 µm
Material N°	FB-1280M/50	Batch size	12,45 L
Production date	18-MAR-2024	Origin	France
Expiry date	17-MAR-2029		

QUALITY PROFILE				
Tests	Methods	Units	Specifications	Results
E.V. Depletion	ELISA test	%	95,0 - 100,0	99,9
Appearance	Visual Control	-	Clear straw to amber liquid	Conform
Bacteria and Fungi	Culture	-	Not detected	Not detected
Mycoplasma	Culture	-	Not detected	Not detected
pH	Potentiometric method EU Ph. 2.2.3	-	6,80 - 8,00	7,73
Osmolality	Freezing point . EU Ph. 2.2.35	mOsm/kg	275 - 345	296
Endotoxin	Chromokin. test Method D of EU Ph.2.6.14	EU/ml	For information	< 0,200
Haemoglobin	Internal validated method	mg/100ml	0,00 - 30,00	9,52
Total protein	Biuret colorimetry	g/l	For information	21,6
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	< 6
Alkaline Phosphatase	Colorimetry kinetic at 37°C	IU/l	For information	89
ASAT (SGOT)	UV kinetic at 37°C	IU/l	For information	31
Bilirubin	DPD / caffeine colorimetry	mg/100ml	For information	< 0,10
Calcium	Arsénazo colorimetry	mg/100ml	For information	12,0
Gamma GT	Colorimetry kinetic at 37°C	IU/l	For information	< 4
Cholesterol	Cholesterase Trinder colorimetry	mg/100ml	For information	< 7,0
Creatinine	Colorimetry Kinetic (Jaffé)	mg/100ml	For information	2,6
Chloride	Indirect potentiometry	mmol/l	For information	98
Glucose	Hexokinase UV	mg/100ml	For information	132,0
Iron	TPTZ colorimetry	µg/100ml	For information	150
Lactate Dehydrogenase	UV kinetic at 37°C	IU/l	For information	225
Phosphorus	Phosphomolybdate colorimetry	mg/100ml	For information	11,0
Potassium	Indirect potentiometry	mmol/l	For information	14,6
Sodium	Indirect potentiometry	mmol/l	For information	130
Triglycerides	Glycerokinase Trinder colorimetry	mg/100ml	For information	88,0
Urea	Urease UV	mg/100ml	For information	32,0
Uric Acid	Uricase trinder colorimetry	mg/100ml	For information	3,0

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PROTEIN ELECTROPHORESIS				
Tests	Methods	Units	Specifications	Results
Albumin	Immunoturbidimetry	g/l	For information	9,5
Alpha Globulins	Immunoturbidimetry	g/l	For information	4,6
Beta Globulins	Immunoturbidimetry	g/l	For information	7,1
Gamma Globulins	Immunoturbidimetry	g/l	For information	0,4

ELISA TEST				
Tests	Methods	Units	Specifications	Results
IgG	ELISA test	mg/l	For information	84,0

BIOLOGICAL PERFORMANCE				
Tests	Methods	Units	Specifications	Results
L929 cell growth : 3rd day	Internal validated method	%	For information	89
L929 cell growth : 6th day	Internal validated method	%	For information	90
SP2/O-Ag14 cell growth : 3rd day	Internal validated method	%	For information	49
SP2/O-Ag14 cell growth : 6th day	Internal validated method	%	For information	72
HELA cell growth : 3rd day	Internal validated method	%	For information	100
HELA cell growth : 6th day	Internal validated method	%	For information	106
MRC-5 cell growth : 3rd day	Internal validated method	%	For information	84
MRC-5 cell growth : 6th day	Internal validated method	%	For information	54
Plating efficiency -cells implanted	Internal validated method	-	500	500
Plating efficiency - number of colonies	Internal validated method	-	For information	325
Plating efficiency - PE absolute	Internal validated method	%	For information	65
Plating efficiency - PE relative	Internal validated method	%	For information	90
Cloning efficiency -cells implanted/well	Internal validated method	-	1	1
Cloning efficiency - number of clones	Internal validated method	-	For information	65
Cloning efficiency - CE absolute	Internal validated method	%	For information	68
Cloning efficiency - CE relative	Internal validated method	%	For information	77

Fetal bovine serum has been triple filtered on 0.1µm filters before treatment.
 All fetal bovine sera are collected from registered slaughterhouses under the supervision of government veterinary authorities.
 All sera are collected from EU approved countries

JCHAIGNEAU
 Quality Department
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