

ALLGA

28, Victoria Street, Paignton - Devon TQ4 5DN, United Kingdom - Reg. No. 3348288 - V.A.T. GB 689 3335 80



**CERTIFICATE OF ANALYSIS
FETAL BOVINE SERUM**

Cat. N°. ECS0180D
ECS0180L
ECS0180N

Batch N°: EUS005493
Expiry Date: 12/2005

ELECTROPHORESIS

RESULTS

TOTALPROTEIN	4.06	g/100ml
ALBUMIN	2.21	g/100ml
GLOBULINS		
Alpha	1.45	g/100ml
Beta	0.32	g/100ml
Gamma [HPLC]	0.08	g/100ml

PHYSICAL AND CHEMICAL ANALYSIS

RESULTS

pH at RT	7.29	
OSMOLALITY	325	mOsmol/l
TOTAL PROTEIN	4.06	g/100ml
ALBUMIN	2.21	g/100ml
ENDOTOXIN [Gel-clot]	0.06	ng/ml
HEMOGLOBIN	15.44	mg/100ml

VIRUS

SPECIFICATIONS

RESULTS

BOVINE VIRUS DIARRHOEA (BVD-V)	not detected	negative
PARAINFLUENZA TYPE 3 (PI-3)	not detected	negative
INFECTIOUS BOVINE RHINOTRACHEITIS (IBR)	not detected	negative

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ANTIBODY-TESTING

Batch No : EUS005493

**BOVINE VIRUS DIARRHOEA-ANTIBODIES
(BVD-AB)**

Positive

MICRO-ORGANISM TESTING

	SPECIFICATIONS	RESULTS
STERILITY	not detected	sterile
MYCOPLASMA:DIRECT	not detected	negative

BIOLOGICAL PERFORMANCE

CELL GROWTH

Cell Line: L929

3rd day: 89 %
7th day: 117 %

Cell Line:SP2

3rd day: 102 %
7th day: 105 %

Cell Line: HELA

3rd day: 96 %
7th day: 103 %

PLATING EFFICIENCY

Cells implanting: 500
Number of colonies: 141
% PE absolute: 28 %
%PE relative 100 %

CLONING EFFICIENCY

Cells implanting per well: 1
Number of clones: 17
%CE absolute 18 %
%CE relative 100 %

Cell Line:MRC5

PASS

ORIGIN

PARAGUAY

HEALTH DECLARATION

Hereby we declare that Paraguay, has an observation system for animal health, which is in charge of controlling bovine cattle.

The Department Health has never found any sign or cases of the diseases known as

TSE/BSE

Therefore, following the guidelines of the O.I.E. (OFFICE INTERNATIONAL DES EPIZOTIIES), Paraguay can be considered as a Country free of the diseases called TSE- BSE.

Consequently, the product Foetal Bovine Serum (FBS) ECS 0180L batch n° EUS005493 Paraguay origin has to be regarded as high quality serum.

P. Cecina

Quality Control Department

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