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# Foetal Bovine Serum

## Certificate of Analysis

**Product :** Foetal Bovine Serum  
**Animal Origin :** Australia  
**Lot No:** 1402C  
**Product Code :** SFBS  
**Expiry :** February, 2019

All foetal bovine serum is collected from registered abattoirs under the supervision of veterinary authorities. The animals were ante- and post-mortem inspected, deemed clinically healthy and fit for human consumption.

<b><u>TEST DESCRIPTION</u></b>	<b><u>SPECIFICATION</u></b>	<b><u>RESULT</u></b>
Appearance	Clear, orange/brown solution Free of any particulate matter	Clear, orange/brown solution Free of any particulate matter
pH :	6.7 - 8.0	7.1
Osmolality :	260 – 340 mOsm/kg	313
Haemoglobin :	< 25 mg/100mL	24.1 mg/100mL
Total protein :	30 – 50 g/L	34 g/L
Total IgG :	< 350 µg/mL	162 µg/mL
Endotoxin :	< 30 EU/mL	3.4 EU/ml
Sterility :	No microbial presence	No microbial presence
Mycoplasma :	Negative	Negative

### **VIRUS ISOLATION**

BVD :	Negative	Negative
IBR :	Negative	Negative
PI-3 :	Negative	Negative

<u>TEST DESCRIPTION</u>	<u>SPECIFICATION</u>	<u>RESULT</u>
<b><u>BIOCHEMISTRY</u></b>		
Alkaline Phosphatase (ALP) :	As reported	222 U/L
Aspartate Aminotransferase (AST) :	As reported	52 U/L
Albumin :	As reported	22 g/L
Beta Hydroxybutyrate (BHB) :	As reported	0.1 mmol/L
Bicarbonate :	As reported	15 mmol/L
Bilirubin (total) :	As reported	3 µmol/L
Calcium :	As reported	3.15 mmol/L
Chloride :	As reported	104 mmol/L
Cholesterol :	As reported	0.8 mmol/L
Creatinine:	As reported	229 µmol/L
Creatinine Phosphokinase (CK) :	As reported	133U/L
Gamma Glutamyltransferase (GGT)	As reported	6 U/L
Globulin :	As reported	13 g/L
Glutamate Dehydrogenase (GLDH) :	As reported	7 U/L
Magnesium :	As reported	1.3 mmol/L
Phosphate :	As reported	3.21 mmol/L
Potassium :	As reported	12.0 mmol/L
Sodium :	As reported	140 mmol/L
Urea :	As reported	6.1 mmol/L

All serum is final filtered to 3 x 0.1µm and conforms with FDA regulations 21 CFR 211.72. Filter materials are made from materials FDA listed for contact with food and meet the specifications for biological safety as per USP.

Signed



Rick Clements  
**Managing Director**