

Nucleus
Biologics

At the Core of *Cell Science*

CERTIFICATE OF ANALYSIS

Product	Fetal Bovine Serum - Sterile Filtered
Product Reference Number	FBS1975-001
Country of Origin	New Zealand
Certificate of Suitability	On file
Lot Number	
Filtration	Triple 0.1 Micron
Manufacture Date	
Expiration Date	



STATEMENT OF ORIGIN

This serum has been derived from blood aseptically collected in approved abattoirs in New Zealand. The country of origin of the animals is New Zealand. The serum was aseptically processed and filter sterilized in New Zealand.



GENERAL/STERILITY

TEST	RESULTS	SPECIFICATION
Hemoglobin		≤ 15 mg/dL
Endotoxin		≤4 IU/mL
Visual examination		Satisfactory
Species I.D.		Bovine
Sterility		Sterile
Mycoplasma		Not Detected



VIRAL SCREEN

VIRUSES (9CFR 113-53C)	RESULTS	SPEC.
BRSV		N.D.
BVDV		N.D.
Bovine Parvovirus		N.D.
Bluetongue Virus		N.D.
Bovine Adenovirus		N.D.
Rabies Virus		N.D.
Reovirus		N.D.
Infectious Bovine Rhinotracheitis (IBR) (Cytopathic Agents)		N.D.
Para Influenza 3 (PI3) (Hemadsorbing Agents)		N.D.

A.R. = As Reported
N.D. = Not Detected



BIOLOGICAL PROFILE

TEST	RESULTS	SPEC.
pH		6.9-7.6
Osmolarity		280-365 mOsmol/kg
Total Protein		30-45 mg/mL
Albumin		A.R.
α 1 Globulin		A.R.
β Globulin		A.R.
γ Globulin		A.R.
IgG		\leq 400 μ g/mL



ANTIBODY PROFILE

ANTIBODY	RESULTS	SPEC.
BVD		A.R.
IBR		A.R.
PI3		A.R.
BT		A.R.
Akabane		A.R.

A.R. = As Reported
N.D. = Not Detected

Trusted. Traceable. Tested.

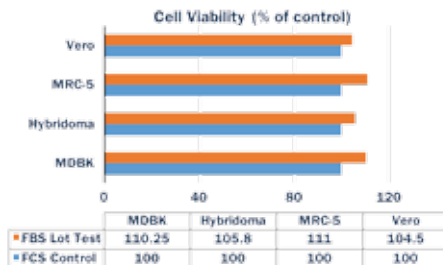


BIOCHEMICAL PROFILE

SUBSTANCE	RESULTS	SPEC.
Sodium		A.R.
Potassium		A.R.
Chloride		A.R.
Bicarbonate		A.R.
Anion Gap		A.R.
Glucose		A.R.
Urea		A.R.
Creatinine		A.R.
Urea/Creatinine		A.R.
Urate		A.R.
Bilirubin total		A.R.
Calcium		A.R.
Phosphate		A.R.
Alkaline Phosphatase		A.R.
Gamma Glutamyl Transferase		A.R.
Alanine Transaminase: (GPT)		A.R.
Aspartate Transaminase: (GOT)		A.R.
Lactate Dehydrogenase		A.R.
Triglyceride		A.R.
Cholesterol		\leq 1.2 mmol/L



FUNCTIONAL ASSAYS



For a digital copy, please visit
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