Module 3.2.A

## 3.2.A.4 **Certificate of Analysis (CoA)**

## CoA for Serum used in the CHOK1 adaptation 3.2.A.4.1



HyClone New Zealand Omokoroa Farm 441 Old Highway P.O. Box 658 Tauranga, New Zealand

## **CERTIFICATE OF ANALYSIS**

Product:

FOETAL BOVINE SERUM

**New Zealand Sourced** Triple 0.1µm Filtered

Catalogue Number:

Total Batch Volume: 1488.2 L

SH30406.02

Lot Number:

DPH0176

Manufacturing Date: AUG/2004

Expiration Date: \*AUG/2012

Test/Method	Specification	Units	Result
Endotoxin (Limulus Amebocyte Lysate – Gel Clot	≤ 20 t)	EU/mL	<0.5
Haemoglobin (Spectrophotometric)	≤ 25	mg/dL	2
Sterility Testing (USP24 or current) Bacteria & Fungi	No Growth		No Growth
Virus Testing (9 CFR 113.53)			
Fluorescent Antibody	N-4 Catantant		N. A. D. A. A. A.
Bluetongue	Not Detected		Not Detected
Bovine Adenovirus	Not Detected		Not Detected
Bovine Parvovirus	Not Detected		Not Detected
Bovine Respiratory Syncytial Virus	Not Detected		Not Detected
Bovine Virus Diarrhoea	Not Detected		Not Detected
Rabies	Not Detected		Not Detected
Reovirus	Not Detected		Not Detected
Cytopathogenic Agents - e.g. IBR	Not Detected		Not Detected
Haemadsorbing Agents - e.g. Pl3	Not Detected		Not Detected
Mycoplasma			
(Large Volume, Direct Culture)	Not Detected		Not Detected
(Hoechst DNA Stain)	Not Detected		Not Detected

The raw material used to produce this batch of serum has been sourced exclusively from clinically healthy cattle which were born and maintained in a country which is officially recognised as being free from Bovine Spongiform Encephalopathy (BSE) namely New Zealand.

HyClone Foetal Bovine Serum products have been granted a Certificate of Suitability to the European Pharmacopoeia Monograph. (Certificate # RO-CEP 2000-211)

23 Jan 09

Harshila Mistry QA/QC Manager \*Amended 20 Jan 09 (Expiry Date)

ocess containers • media • buffers • reagents • serum-free media • FBS alternatives • sera

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Module 3.2.A



Product: Fetal Bovine Serum

Collected in South America, Processed in China

Catalog #: SV30087 Lot #: NUK0201 Filtration: Triple 0.1 µm Filtered Manufacturing Date: Expiration Date:

Oct/2009 Oct/2014

Total Lot Volume (Liters): 1466.7

## Certificate of Analysis

Test	Specification	Units	Results
Endotoxin	≤ 25	EU/ml	< 5
(Limulus Amebocyte Lysate-Gel Cl	ot)		
Hemoglobin	≤ 25	mg/dl	9.06
(Spectrophotometric)		- 350	
Sterility Testing	No Growth		No Growth
(Bacteria and Fungi)			
Virus Screening	Not Detected		Not Detected
(Bovine Viral Diarrhea Virus)			
Mycoplasma			
(Large Volume, Direct Culture)	Not Detected		Not Detected
(Hoechst DNA Stain)	Not Detected		Not Detected
<b>Growth Promotion</b>			
BHK21	FIO		Satisfactory

This product was manufactured from Fetal Bovine Blood collected in South America. This product has not come from cattle born, raised, shipped through or slaughtered in countries where BSE is known to exist.

**Quality Control Department** 

84321

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