

CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

DELTAMUNE (PTY) LTD

Co. reg no: 1994/05981/07

Facility Accreditation Number: **V0007**

is a South African National Accreditation System accredited Testing laboratory
provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope as stated in the accompanying schedule of accreditation,
Annexure "A", bearing the above accreditation number for

MICROBIOLOGY AND SEROLOGY

The facility is accredited in accordance with the recognised International Standard

ISO/IEC 17025:2005

*The accreditation demonstrates technical competency for a defined scope and the operation of a
laboratory quality management system*

While this certificate remains valid, the Accredited Facility named above is authorised to
use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

Mr R Josias
Acting Chief Executive Officer

Effective Date: 31 January 2010
Certificate Expires: 30 January 2015

ANNEXURE A
SCHEDULE OF ACCREDITATION

Testing Laboratory Number: V0007

<p><u>Permanent Address of Laboratory:</u> Deltamune (Pty) Ltd 248 Jean Avenue Lyttelton Centurion 0140</p> <p><u>Postal Address:</u> P O Box 14167 Lyttelton 0140</p> <p>Tel : (012) 664-5730 Fax : (012) 664-5149 E-mail : elize@deltamune.co.za</p>	<p><u>Technical Signatory</u> : Dr. E de Bruyn (All Methods) : Ms. D Rauff (All methods) : Ms. C Falch (0107, 0109, 008, 0097 & 0060)</p> <p><u>Nominated Representative</u> : Dr. E de Bruyn</p> <p>Issue No. : 06 Date of issue : 23 December 2009 Expiry Date : 30 January 2015</p>	
Sample Type/Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
<p><u>MICROBIOLOGY</u> Specimens from clinical samples</p> <p>Specimens from clinical cases: Egg and egg products Feed and feed raw materials Environmental sample Acid oil</p> <p>Salmonella isolates</p> <p>Meat and meat products Egg and egg products Surface, equipment and environmental swabs Contact plates</p>	<p>Isolation/Detection of <i>Pasteurella</i> spp.</p> <p>Isolation/Detection of <i>Pseudomonas</i> spp.</p> <p>Isolation/Detection of <i>Staphylococcus</i> spp.</p> <p>Isolation/Detection of <i>Escherichia coli</i></p> <p>Isolation/Detection of <i>Avibacterium paragallinarum</i></p> <p>Isolation/Detection of <i>Salmonella</i> spp.</p> <p>Isolation/Detection of <i>Salmonella</i> spp.</p> <p>Serotyping of <i>Salmonella</i></p> <p>Total aerobic plate count</p> <p>Detection of <i>Salmonella</i></p> <p>Enumeration of Faecal Coliform bacteria</p> <p>Enumeration of <i>Staphylococcus</i> spp. and detection of <i>Staphylococcus aureus</i></p> <p>Enumeration of <i>Pseudomonas</i> spp.</p> <p>Enumeration of coliforms and <i>Escherichia coli</i></p>	<p>SER-TMD-ME-0053</p> <p>SER-TMD-ME-0084</p> <p>SER-TMD-ME-0083</p> <p>SER-TMD-ME-0052</p> <p>SER-TMD-ME-0054</p> <p>SER-TMD-ME-0055</p> <p>SER-TMD-ME-0008</p> <p>SER-TMD-ME-0060</p> <p>SER-TMD-ME-0078</p> <p>SER-TMD-ME-0087</p> <p>SER-TMD-ME-0080</p> <p>SER-TMD-ME-0081</p> <p>SER-TMD-ME-0082</p> <p>SER-TMD-ME-0079</p>

Field Manager

ANNEXURE A

Laboratory No: V0007
Date of issue: 23 December 2009
Expiry date: 30 January 2015

Sample Type/Materials/Products Tested	Types of Tests/Properties Measured, Range of Measurement	Standard Specifications, Equipment/Techniques Used
<u>MICROBIOLOGY cont.</u>		
Food samples	Detection of <i>Escherichia coli</i> 0157	SER-TMD-ME-0109
Food, feed and feed raw materials	Enumeration of Enterobacteriaceae	SER-TMD-ME-0107
Water samples	Microbiological examination: Total count, <i>Escherichia coli</i> , Faecal coliforms, Coliforms	SER-TMD-ME-0006
Veterinary bacterial isolates	Antimicrobial Disk Susceptibility determination of bacteria excluding <i>Staphylococcus</i> regarding Ampicillin	SER-TMD-ME-0001
	Antimicrobial susceptibility testing: Broth dilution method to determine minimal inhibition concentration (MIC) break points	SER-TMD-ME-0097
Water-in-oil emulsions bacterial component Vaccines	Sterility determinations	VAC-QCD-ME-0019
<u>SEROLOGY</u>		
Serum	Plate agglutination test for determination of antibodies, <i>Mycoplasma synoviae</i> and <i>Mycoplasma gallisepticum</i>	SER-TMD-ME-0017

Original date of accreditation: 31 January 2005

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Field Manager