

Irma Vermeulen

From: SA Miniature Horse Breed Society <saminiature@gmail.com>
Sent: 04 November 2021 08:10 PM
To: 'Irma Vermeulen'
Subject: FW: Results Batch 42051
Attachments: 42051.pdf; 608392.ACAN_certificate.pdf; 608391.Parentage CertificateNew.pdf

DNA vir aantekening asb

From: Johanita Schoeman [mailto:jschoeman@unistelmedical.co.za]
Sent: Thursday, 04 November 2021 6:16 PM
To: susvic@worldonline.co.za
Cc: saminiature@gmail.com
Subject: Results Batch 42051

Good afternoon,

I trust you are well.

Attached please find the results for **Batch 42051**.

We appreciate your support and look forward to working together again soon.

Wishing you a wonderful day.

Kind Regards,
Johanita Schoeman
Laboratory Manager - Animal Diagnostic and Parentage
Animal Genetics

Unistel
Medical Laboratories
Human and Animal Genetic Testing

Main Switchboard. +27 (0)21 007 5617
Suite 13, Private Bag X22, Tygervalley, 7536
www.unistelmedical.co.za

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From: Charlotte Petrie
Sent: 20 October 2021 10:50 AM
To: susvic@worldonline.co.za
Cc: Magmoeda Dramat <mdramat@unistelmedical.co.za>
Subject: NEW SAMPLES RECEIVED: B42051

13378013 - dna gebaai ✓
* Esb 3350b ✓
* dwerg gene gebaai ✓
1x self geepos ✓

5/11/2021



STB540097



DNA TEST FOR AGGRECAN CHONDRODYSPLASIA-LIKE DWARFISM

REGISTERED NAME: ELOHIM MINIATURE CREATIONS STERLING

REGISTRATION NUMBER:

LAB NUMBER: U608392

13378013

BREED: S.A. MINIATURE HORSE

GENDER: M

CLIENT NAME: VICTOR, S

GENETIC TEST RESULT FOR D1 (exon 2): **CLEAR OF D1 MUTATION**

GENETIC TEST RESULT FOR D2 (exon 6): **CLEAR OF D2 MUTATION**

GENETIC TEST RESULT FOR D3* (exon 7): **CLEAR OF D3* MUTATION**

GENETIC TEST RESULT FOR D4 (exon 15): **CLEAR OF D4 MUTATION**

TEST DESCRIPTION:

Chondrodysplasia-like dwarfism (ACAN) can be hereditary or sporadic in cause and expression. This condition results from a mutation in the *Aggrecan* gene in Miniature horses and Shetland ponies. Affected horses usually present clinical signs of globular heads, shortened torso/neck, enlarged joints, bowed forelegs, underbite, cleft palate (resulting in difficulty breathing) and pain. An affected horse may have two of the same, or two different variants. Any combination with D1 results in early spontaneous abortion of the affected fetus (D1/D1, D1/D2, D1/D3*, D1/D4). Carriers may be bred to normal animals (N/d x N/N) without any risk of producing affected offspring.

BREEDING IMPLICATIONS OF TEST RESULT:

This horse has two copies of the normal allele for all four known *Aggrecan* mutations and will neither develop nor pass on the mutation for Chondrodysplasia-like dwarfism to its offspring.

Yours faithfully



C Rossouw
Animal Genetics
Division Manager
Unistel Medical Laboratory

Disclaimer:

While every reasonable effort is made to prevent faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. Should gross negligence be proven the claim shall not exceed the value of the contract.



**NOTIFICATION
ACKNOWLEDGEMENT OF RECEIPT**

BATCH NUMBER:	B42051
OWNER / CONTACT:	Susan Victor
AMOUNT OF SAMPLES RECEIVED:	1 x Sample
SPECIES:	Miniature Horse
TEST/S:	1 x DNA/PAR & Dwarf Gene Test. (Combination Package)
IMPORTANT NOTES:	• Turnaround time $\pm$ 2 weeks (10 working days) • Payment received (EFT)

Please take note that the normal turnaround could be affected due to skeleton staff and COVID 19 pandemic regulations. We'll however do our utmost best to provide you with results as soon as possible.

Kind Regards,
Charlotte Petrie
Animal Specimen Reception Assistant



Human and Animal Genetic Testing

t. +27 (0)21 007 5616

Suite 13, Private Bag X22, Tygervally, 7536
www.unistelmedical.co.za

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Virus-free. www.avg.com



Animal Result Summary Report

Batch No: 42051
Created: 20/10/2021
Owner Account:

Susan Victor

Elohim Miniature Creations

Via: SA MINIATURE HORSE BRDRS SOC.

Lab No:	Animal Name:	ID:	Race:	Mother ID:	Father ID:	Res.Code:	Invoice:
0000608391	ELOHIM MINIATURE CREATIONS STERLING	96_M_STERLING	S.A. MINIATURE HORSE	96_F_CC11-0015	96_M_N15-0005	PAR01	PD121021BS
Parentage valid							
0000608392	ELOHIM MINIATURE CREATIONS STERLING	96_M_STERLING	S.A. MINIATURE HORSE			DWA4	PD121021BS
D1:Normal D2:Normal D3'5:Normal D4:Normal							

C ROSSOUW
DIVISION MANAGER

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Report Date: 4/11/2021

Report Time: 3:16PM

Page: 1



DNA PARENTAGE REPORT

OFFSPRING:

Name: STERLING

Tag:

Breed: S.A. MINIATURE HORSE

Sex: Male

Date of Birth: 2021-10-06

Animal ID:

Registration No:

DNA Reference: U608391

VHL20	HTG4	AHT4	HMS7	HTG6	AHT5
IK	MM	HH	OO	JO	KL
HMS6	ASB23	ASB2	HTG10	HTG7	HMS3
OQ	IK	NN	RR	KM	MR
HMS2	ASB17	LEX3	HMS1	CA425	
HK	FM	LL	IJ	NN	

SIRE: Nominated Sire Valid

Name: EDUAN VINDICATORS REBEL

Tag:

Breed: S.A. MINIATURE HORSE

Date of Birth: 2015-07-23

Animal ID:

Registration No:

DNA Reference: U297920

DAM: Nominated Dam Valid

Name: HART E GWENDELIN

Tag:

Breed: S.A. MINIATURE HORSE

Date of Birth: 2011-11-17

Animal ID:

Registration No: 0012888715

DNA Reference: U150146

C Rossouw

Animal Division Manager

Date Printed: 04 November 2021

Unistel report these results on the premise that the biological samples received are from the individuals nominated by the owner/ breeder/ requestee. This Certificate replaces all previously issued certificates.

Disclaimer: While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for any losses that may occur as a result of human or technical error. Should gross negligence be proven, the claim shall not exceed the value of the contract.

De Tijger Office Park, Block 1, Hannes Louw Drive, Parow North, Cape Town, 7500 / Suite 13, Private Bag X22, Tyger Valley, 7536, RSA. / Tel: +27 (0)21 - 007 5616

Reg Nr: 1998/021075/07 Directors: HC Viljoen (Chairman), MP Marx, MJ Senekal, J Marx, HJ Pearce