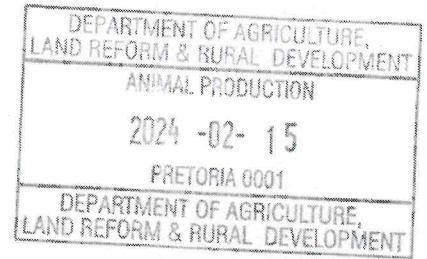




agriculture, land reform
& rural development

Department:
Agriculture, Land Reform and Rural Development
REPUBLIC OF SOUTH AFRICA



VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2024/02/15
EXPIRY DATE: 2024/08/14

IMPORTATION OF SEMEN: AUTHORISATION NO. S0037/24-1

(Issued in terms of section 16 of the Animal Improvement Act, 1998)

Expiry date: 2024/08/14 for Authorization No. S0037/24-1

Authorization is hereby granted to: **ALETA ENGELKE/ AC VERSPREIDERS T/A GENEX SOUTH AFRICA.**
of: **NEW CROSS RD 5, CALEDON, 7230.**

for the importation **BOVINE** semen of the **ANGUS** breed
from (country of origin): **USA.**

Semen will be cleared by:

ALETA ENGELKE/ AC VERSPREIDERS T/A GENEX SOUTH AFRICA

Name of Animals	Reg. No.	Number of doses
BOYD DYNAMIC 6118	18693344	500
DB ICONIC G95	19611994	50
CRUMP NEW DECADE 9341	4099482	50
5L 9 MILE RESONATE 1113	4558479	110
JFCC COLD FRONT 981	4131930	60

GENEX CO OPERATIVE 625 E ELIZABETH STREET, SHAWANO WISCONSIN USA 54166-315.

TOTAL: 770

CONDITION

- Certification by the exporting country that the number of unfrozen (live) spermatozoa per dose complies with the minimum amount specified on the reverse side of this document.
- DNA profiles must be provided to the Registrar of Animal Improvement, and the relevant Breeders Society before release from quarantine, if not available at time of importation.

This authorization is subject to the compliance with the veterinary requirements set out in the attached permit and is also subject thereto that the intended importation meets with all the provisions of the said Act. This authorization does not exempt the importer from the provisions of any other law. This authorization may withdrawn by the Registrar should any false information be discovered in the application. This authorization is also not transferable. Imported semen shall under no circumstances be transferred, sold, given or donated to may other person or body unless prior written approval from the Registrar has been obtained. Any such approval shall be considered as new application for the importation of semen.

REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2024/02/15

AMERICAN ANGUS ASSOCIATION
3201 Frederick Ave., Saint Joseph, Missouri 64506-2997
PHONE: 816-383-5100

Genex 16/2/2024
Permit ✓

Geno
Verslag ✓
DNA ✓

NAME OF ANIMAL

DB ICONIC G95

BREEDER

Booth, Douglas Family Torrington WY

SEX

Bull

REGISTRY NO.

AAA 19611994

[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]

DATE CALVED

2/14/2019

TATTOO

LEFT EAR

G95

RIGHT EAR

G95

SIRE

MUSGRAVE 316 STUNNER

AAA *18467508[AMF-CAF-XF]

CONNEALY FINAL PRODUCT

AAA #*15848422[AMF-CAF-XF]

MCATL PURE PRODUCT 903-55

AAA #16482454[AMF-CAF-XF]

M A ESTA 55-252

AAA 15171854[CAF]

MCATL BLACKBIRD 831-1378

AAA #16896985[OSF]

CONNEALY REFLECTION

AAA #14528330[AMF-CAF-XF]

MCATL BLACKBIRD 1378-573

AAA 16147703[DDF-OHF]

MA BLACKBIRD 573

AAA 14530790

MYTTY IN FOCUS

AAA #*13880818[AMF-CAF-XF]

A A R TEN X 7008 S A

AAA #*15719841[AMF-CAF-XF]

A A R LADY KELTON 5551

AAA #15151449

V A R DISCOVERY 2240

AAA #*17262835[AMF-CAF-XF]

SITZ UPWARD 307R

AAA #*14963730[AMF-CAF-XF]

DEER VALLEY RITA 0308

AAA +*16659293[DDC]

G A R OBJECTIVE 2345

AAA *15129485[DDC-AMF-NHF]

DAM

DB MS DISCOVERY D13

AAA *18974126

G A R PREDESTINED

AAA #*13395344[DDC-AMF-XF]

PA POWER TOOL 9108

AAA #+*16381311[AMF-CAF-XF]

SHAMROCKS BEEBEE QUEEN 3095

AAA *15213474[AMF-CAF-NHF]

DB MS FINAL TOOL 4120

AAA 18098878[DDF-OSF]

S A V FINAL ANSWER 0035

AAA #*13592905[AMF-CAF-XF]

DB MS FINAL ANSWER 17

AAA 17131266[DDC]

DB MS EXTRA PROTEGE 9177

AAA #16591137[DDC]



FILE NO. X91768

5

Mark A. McCully
Chief Executive Officer

1004029



**BUREAU
VERITAS**

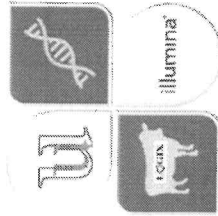
BOVINE DNA GENETIC MARKER REPORT							
ISSUED TO				OWNER INFORMATION			
GENEX BEEF 100 MBC DRIVE SHAWANO, WI							
REPORT ID		1		TEST METHOD		PROFILE ONLY	
RECEIVED DATE		2020/04/22		TEST DATE		2020/04/23	
				REPORT DATE		2020/04/23	
SUBJECT ANIMAL DETAILS							
CASE NUMBER		BU2020000758		BARCODE			
SAMPLE TYPE		HAIR		CONDITION		ACCEPTABLE	
NAME		DB ICONIC G95					
TATTOO		G95		REG NUMBER		19611994	
BREED		ANGUS		SEX		MALE	
				BIRTH YEAR		2019	
SIRE INFORMATION				DAM INFORMATION			
NAME		MUSGRAVE 316 STUNNER		NAME		DB MS DISCOVERY D13	
TATTOO		1676		TATTOO		D13	
REG NUMBER		18467508		REG NUMBER		18974126	
RESULTS							
BM 1818	BM 1824	BM 2113	CYP 21	ETH 10	ETH 225	ETH 3	INRA 23
262/266	178/182	133/139	191/220	217/219	144	117/125	202/206
RM 067	SPS 115	TGLA 126	TGLA 122	TGLA 227	TGLA 53	MGTG 4B	SPS 113
96	252/254	115/123	151/155	89/97	160/176	135	143/153
COMMENTS:							

J. Dohmen

Jennifer Dohmen, B.Sc.

Business Analyst

Signature indicates generation of DNA genetic marker report from previously analyzed data. The results relate only to the sample submitted and/or the sub-sample tested. This DNA profile is standardized to the specifications of the International Society of Animal Genetics (ISAG). Test performed by BV Labs DNA Services Division Unit 2-335 Laird Rd, Guelph, Ontario N1G 4P7. ISAG Institutional Membership code 84509. Industrial Standards Organization 17025 (ISO) and International Committee for Animal Recording (ICAR) accredited.



Unistel Medical Laboratories Genetic Report

BOVINESNP50-24 v3 BeadChip

CRI South Africa

Animal Tested:
Angus
DB ICONIC G95
17838U001

Description		Mutations	Status	Description	Mutations Tested	Status	Semen
Coat colouration	MC1R - e	MC1R - ED	E+/E+	Meat	Calpain 1 - 316	G/C - Intermediate breakdown	
				Tenderness	Calpain 1 - 4751	C/T - Intermediate breakdown	
		Dun Dexter Dilution (TYPR1)	+/+		Calpain 1 - 530	G/G - Normal breakdown	
		Silver Dilution type 1	+/+		Calpastatin - 282	G/C - Intermediate inhibition of Calpain	
		Silver Dilution type 2	+/+		Calpastatin - 2870	A/G - Intermediate inhibition of Calpain	
Myostatin Status		Myostatin C313Y	Clear		Calpastatin - 2959	A/G - Intermediate inhibition of Calpain	
		Myostatin E226X	Clear				
		Myostatin E291X	Clear	Milk status	Beta Casein - 245	A2/A2	
		Myostatin nt419	Clear		Beta Casein - 411	B/B	
		Myostatin nt821	Clear		Kappa Casein - 352	A/A	
POMPE Status		Myostatin Q204X	Clear		Kappa Casein - 467	A/A	
		Myostatin D182N	Clear		Kappa Casein - 470	B/B	
		Myostatin F94L	Clear		Kappa Casein - 506	A/A	
		Myostatin S105C	Clear		Kappa Casein - 526	A/A	
		E7 mutation	Insufficient data				
Heat Tolerance		E13 mutation	Insufficient data	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield	
		E18 mutation	Clear		Growth Hormone 2141	Decreased milk protein & fat yield	
		SLICK	No added resistance		Growth Hormone 2291	Insufficient data	
Eye Disorders		Pinkeye resistance	Reduced risk 8-13%		ABCG2 - protein yield milk	Normal fat, protein & milk yield; normal fat & protein %	
		Osteopetrosis	Insufficient data		AcylCoA - milk fat percentage	Insufficient data	
					Trimethylaminuria excess in milk	Clear	
Breed mutations		Alpha Mannosidosis 961	Clear		Yellow milk fat	Normal yellow fat	
		Neuropathic hydrocephalus	Clear	Hornedness	Polled (Celtic and Friesian)	Homozygous Polled	
		Developmental Duplication	Clear				
		Mulefoot (P1647L)	Carrier				

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individuals nominated by the owner/breeder/facility. This certificate replaces all previous issued certificates. While every 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.

DNA Report

Unistel Medical Laboratories (Pty) Ltd
An Associated Company of The Unistel Group

Tel: Main Switchboard - 021 007 5617
Email: info@unistelmedical.co.za

Test Method :	Fragment Analysis (STR)
Batch No :	17838U
Sample # :	17838U001
Ownername :	CRI South Africa

Tag No :	1ANO1538
Animal Name :	DB ICONIC G95
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	2019-02-14
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	262	266
BM1824	178	182
BM2113	133	139
CSRM60	100	100
CSSM66	183	197
ETH10	217	219
ETH225	144	144
ETH3	117	125
ILSTS006	292	296
INRA23	202	206
SPS115	252	254
TGLA122	151	155
TGLA126	115	123
TGLA227	89	97
TGLA53	160	176

Created date: 09-May-2024 09:11

Received date: 01-May-2024 22:00

Report date: 31-May-2024 14:10

DNA profile analysed to ISAG specification(2021/2022)

Page 1

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.

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CHARNÉ ROSSOUW
DIVISION MANAGER



Batch Detail Report

Batch : 17838U
Owner :CRI South Africa
Farm :
Account : COLP01
Origin : PRIVATE
Invoice To : Owner

Created : 2024-05-03

SAMPLE	ANIMAL	SPECIES	BREED	DAM	SIRE	TEST	Tissue Type	RESULT	INVOICE
17838U001	1ANO1538 (DB ICONIC G95) (M,23)	CATTLE	ANGUS (23)			PAR_C	Semen Straw	PU : Profile (Unistel)	
17838U002	1AR00982 (JL 9 MILE RESONATE 1113) (M,23)	CATTLE	ANGUS (23)			PAR_C	Semen Straw	PU : Profile (Unistel)	

Report Date : 31-May-2024 16:04

Page : 1

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 faulty results, Unistel Medical Laboratories do not accept any responsibility for any losses that may occur as a result of human or technical error. The results relate only to the samples tested. Should gross negligence be proven, the claim shall not exceed the value of the contract

Please note: some STR profiles used in parentage analysis may have been sourced from another laboratory. While every reasonable effort is made to prevent incorrect results, Unistel Medical Laboratories does not accept any responsibility for parentage mismatches due to incompatible marker scoring strategies between laboratories. Unistel Medical Laboratories participates in ISAG comparison testing and therefore incorporates international scoring standards in the generation of our STR profiles.

CHARNÉ ROSSOUW
DIVISION MANAGER