



agriculture, land reform & rural development

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

DEPARTMENT OF AGRICULTURE, LAND REFORM & RURAL DEVELOPMENT
ANIMAL PRODUCTION
2026 -02- 23
PRETORIA 0001
DEPARTMENT OF AGRICULTURE, LAND REFORM & RURAL DEVELOPMENT

IMPORTATION OF SEMEN: AUTHORISATION NO. S0040/26-1

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

Valid from: 2026/02/23 - Expiry date: 2026/08/22

Authorization is hereby granted to: **ABS SOUTH AFRICA**

of: **UNIT B5, PRESTIGE PARK, CNR PASTORALE & STILLWATER STREET, DURBANVILLE INDUSTRIAL PARK, CAPE TOWN, 7550.**

for the importation **BOVINE** semen of the **ANGUS** cattle breed

from (country of origin): **UNITED STATES OF AMERICA** through (Port of entry): **CAPE TOWN INTERNATIONAL AIRPORT**

Semen will be cleared by: **ABS SOUTH AFRICA.**

List of animal's genetic materials to be imported:

Name of Animals	Registration No.	Number of doses
HXC ALLEGIANCE 5502C	RAAA 3494126	1
BERWALD CONFIDENT 2044	RAAA 4687927	1
2BARC CROSSFIRE 1003	AAA 20092144	1
BIEBER EMPOWER J510	RAAA 4498001	1
4 SONS GROUND BREAKER	AAA 20613331	1
WOODHILL REALITY	AAA 20068804	1

ABS GLOBAL INC, 1525 RIVER ROAD, DEFOREST, WI 53532, USA

TOTAL: 6

CONDITIONS

- 1) 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.
- 2) DNA profiles must be provided to the Register of Animal Improvement, and 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 This authorization may be withdrawn by the Registrar should any false information be discovered in the application. This authorization is also not transferable. This authorization is for one consignment only and must be handed in and cancelled at the port of entry. Imported semen shall under no circumstances be transferred, sold, given, or donated to any 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: 2026/02/23

AMERICAN ANGUS ASSOCIATION

3201 Frederick Ave., Saint Joseph, Missouri 64506-2997

PHONE: 816-383-5100

NAME OF ANIMAL	SEX	REGISTRY NO.	DATE CALVED	TATTOO LEFT EAR	RIGHT EAR
4 SONS GROUND BREAKER	Bull	AAA 20613331	1/21/2023	8L17	8L17
[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]					

BREEDER

Four Sons Farm Cynthiana KY

SIRE

BEAL BREAKTHROUGH

C R A BEXTOR 872 5205 608

AAA #13009379[AMF-CAF-XF]

G A R PROPHET

AAA #+*16295688[AMF-CAF-XF]

G A R OBJECTIVE 1885

AAA +15129456[AMF-DDF-NHF]

G A R PROPHET K263

AAA +*17799492

G A R NEW DESIGN 5050

AAA #+13728513[DDC-AMF-XF]

CHAIR ROCK 5050 G A R 1131

AAA +*17176578[DDF]

CHAIR ROCK OBJECTIVE 7042

AAA +16046662

CONNEALY IN SURE 8524

AAA #*16205036[AMF-CAF-XF]

G A R SURE FIRE

AAA #+*17328461[AMF-CAF-XF]

CHAIR ROCK 5050 G A R 8086

AAA +16431932[DDC]

H P C A SURE FIRE S6

AAA *18424079[OSF]

G A R INGENUITY

AAA #+16497066[DDC]

H P C A INGENUITY A372

AAA +*17531755[DDF]

G A R PREDESTINED 287L

AAA +*16078549[DDF]

BASIN PAYWEIGHT 0065

AAA #+*15332050[AMF-CAF-XF]

BASIN PAYWEIGHT 1682

AAA #+*17038724[AMF-CAF-XF]

21AR O LASS 7017

AAA 15875998

TEX PLAYBOOK 5437

AAA #+*18414912[AMF-CAF-XF]

SUMMITCREST COMPLETE 1P55

AAA #*14850409[AMF-CAF-XF]

RITA 1C43 OF 9M26 COMPLETE

AAA +*17131969[DDF]

RITA 9M26 OF RITA 5F56 PRED

AAA +*16340279[DDC-AMF-NHF]

DAM

DEER VALLEY BLACKBIRD 8768

AAA *19394486

C R A BEXTOR 872 5205 608

AAA #13009379[AMF-CAF-XF]

G A R PROPHET

AAA #+*16295688[AMF-CAF-XF]

G A R OBJECTIVE 1885

AAA +15129456[AMF-DDF-NHF]

DEER VALLEY BLACKBIRD 4765

AAA +*18131016[OSF]

SUMMITCREST COMPLETE 1P55

AAA #*14850409[AMF-CAF-XF]

V A R BLACKBIRD 1218

AAA +*16917008

SANDPOINT BLACKBIRD 8809

AAA +*16143141[AMF]



FILE NO. Y43532

3

Mark A. McCully
Mark A. McCully
Chief Executive Officer

1058214

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 :	26698U
Sample # :	26698U003
Ownername :	ABS South Africa

Tag No :	29AN23-0003
Animal Name :	29AN23-0003 4 SNSGROUND BREAKER
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	1-01-01
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	266	268
BM1824	178	182
BM2113	135	139
CSRM60	98	100
CSSM66	187	189
ETH10	217	219
ETH225	144	146
ETH3	117	125
ILSTS006	292	292
INRA23	206	206
SPS115	248	252
TGLA122	143	151
TGLA126	115	115
TGLA227	83	89
TGLA53	160	160

Created date: 24-Apr-2026 12:06

Received date: 10-Apr-2026 08:31

Report date: 06-May-2026 05:49

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/ requester. 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. Should gross negligence be proven the claim shall not exceed the value of the contract

CHARNÉ ROSSOUW
DIVISION MANAGER



Unistel Medical Laboratories Genetic Report

BOVINESNP50-24 v3 BeadChip

ABS South Africa

Angus

Animal Tested: 29AN23-0003 4 SNSGROUNDBREAKER

26698U003

Sample type:

Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	E+/E+	Meat	Calpain 1 - 316	G/G - Normal breakdown
	MC1R - ED	Ed/Ed	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 C313Y	Clear		Calpastatin - 2959	A/A - Does not inhibit Calpain
	Myostatin E226X	Clear	Milk status	Beta Casein - 245	A2/A2
	Myostatin E291X	Clear		Beta Casein - 411	B/B
	Myostatin nt419	Clear		Kappa Casein - 352	A/A
	Myostatin nt821	Clear		Kappa Casein - 467	A/A
	Myostatin Q204X	Clear		Kappa Casein - 470	A/B
	Myostatin D182N	Clear		Kappa Casein - 506	A/B
	Myostatin F94L	Clear		Kappa Casein - 526	A/E
POMPE Status	Myostatin S105C	Clear	Milk quality	Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
	E7 mutation	Clear		Growth Hormone 2141	Normal milk protein & fat yield
	E13 mutation	Clear		Growth Hormone 2291	Normal milk fat yield, fat & protein %
Heat Tolerance	E18 mutation	Clear		ABCG2 - protein yield milk	Normal fat, protein & milk yield. Normal fat & protein %.
	SLICK	No added resistance		AcylCoA - milk fat percentage	Normal fat, protein & milk yield; normal fat & protein %
	Pinkeye resistance	Reduced risk 8-13%		Trimethylaminuria excess in milk	Clear
Bone Disorder	Osteopetrosis	Clear		Yellow milk fat	Normal yellow fat
Breed mutations	Alpha Mannosidosis 961	Clear	Hornedness	Polled (Celtic and Friesian)	Homozygous Polled
	Neuropathic hydrocephalus	Clear			
	Developmental Duplication	Clear			

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individuals nominated by the owner/breeder/vendor. 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.



Neogen Geneseek Operations
4131 N. 48th Street
Lincoln, Nebraska 68504
geneseekinfo@neogen.com

ABS 9/3/2026
DNA ✓
5 Gen ✓

Permit ✓
Geno ✓

STR Certificate

Report Details:

Customer: ABS-Beef

Date Issued: 3/28/2024

Animal Details:

Animal ID: 29AN2303

Barcode: SBA0584134

Reg No: AAA20613331

Animal Name: 4 SONS GROUND
BREAKER

Results:

Marker Name	Result
BM1818	266/268
BM1824	178/182
BM2113	135/139
ETH10	217/219
ETH225	144/146
ETH3	117/125
INRA23	206/206
SPS115	248/252
TGLA122	143/151
TGLA126	115/115
TGLA227	83/89
TGLA53	160/160

I affirm that the above test results are correct to the best of my knowledge:

Jiansheng Qiu Ph.D., Director of Quality Systems

All data included in this report is subject to Neogen's Terms and Conditions which is available at
<https://gslims.neogen.com/web/GSTermsAndConditions.pdf>

Linette Cloete

From: ddames@angus.org.za
Sent: Monday, 09 March 2026 11:46
To: 'Linette Cloete'
Cc: 'Miranda Jordaan'; 'Vredenheim Angus'
Subject: RE: Angus straws for DNA testing ****URGENT****

More Linette/ Marinda

Dankie vir die inligting. Julle kan voortgaan met die goedkeuring van die bulle.

Ek het net so paar opmerkings oor die bulle vir toekomstige verwysing.

2BARC CROSSFIRE 1003

- Fenotipies is die bul goed en voldoen aan ons standaarde
- Die bul gaan n ver ondergemiddelde EBV op melk in Suid Afrika hê.

WOODHILL REALITY

- Op Fenotipe kon die bul n beter kruis gehad het. Die bul het n plat kruis wat gepaard gaan met n swak lende.
- Die bul is gemiddeld tot Bo-gemiddeld op sy EBV's

4 SONS GROUND BREAKER

- Fenotipies is die bul korrek
- Op EBV's is die bul bo-gemiddeld.

HXC ALLEGIANCE 5502C

- Fenotipies is die bul korrek
- Die bul is in die onderste 70% van melk in die ras en behoort in Suid Afrika ook n ondergemiddelde EBV vir melk te he.

BERWALD CONFIDENT 2044

- Fenotipies is die bul korrek.
- Die bul het ver bo-gemiddelde EBV's

BIEBER EMPOWER J510

- Fenotipies korrek. Sou n beter kop op die bul wou he, maar dit is hoe Bieber se beeste deesdae is.
- EBV's op die bul is mooi gemiddeld wat goed is.

Baie dankie
Vriendelike Groete

Danie Dames
T: 082 306 9358
E: ddames@angus.org.za
W: www.angus.org.za