



# agriculture, land reform & rural development

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

|                                                                |
|----------------------------------------------------------------|
| DEPARTMENT OF AGRICULTURE,<br>LAND REFORM & RUARAL DEVELOPMENT |
| ANIMAL PRODUCTION                                              |
| 2026 -02- 23                                                   |
| PRETORIA 0001                                                  |
| DEPARTMENT OF AGRICULTURE,<br>LAND REFORM & RUARAL 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 JS10    | 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 many 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 | FREEZE BRAND |      |
|----------------------------------|------|--------------|-------------|--------------|------|
| 2BARC CROSSFIRE 1003             | Bull | AAA 20092144 | 1/01/2021   | 1003         | 1003 |
| BREEDER                          |      |              |             |              |      |
| 2 Bar C Cattle Company Luling TX |      |              |             |              |      |

|                             |                              |                             |
|-----------------------------|------------------------------|-----------------------------|
|                             | 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]          |
| G A R SURE FIRE 6404        |                              | AAA +*17965471[OSF]         |
|                             | SUMMITCREST COMPLETE 1P55    | AAA #*14850409[AMF-CAF-XF]  |
| G A R COMPLETE N281         |                              | AAA +*17184315[DDF]         |
|                             | G A R OBJECTIVE 277L         | AAA +*16079546[DDC-AMF]     |
| SIRE                        |                              |                             |
| GB FIREBALL 672             |                              | AAA #*18690054[AMF-CAF-XF]  |
|                             | MCC DAYBREAK                 | AAA #14777016[AMF-CAF-XF]   |
| G A R ANTICIPATION          |                              | AAA *17057287[AMF-CAF-XF]   |
|                             | G A R 5050 NEW DESIGN 0530   | AAA +16645725[DDF]          |
| GB ANTICIPATION 432         |                              | AAA *18054344[DDF]          |
|                             | B/R AMBUSH 28                | AAA #+14188956[AMF-CAF-XF]  |
| GB AMBUSH 269               |                              | AAA 17446748[DDC]           |
|                             | G B FOREVER LADY 5028        | AAA #15207311               |
|                             | GAR-EGL PROTEGE              | AAA #+*15098880[AMF-CAF-XF] |
| BALDRIDGE WAYLON W34        |                              | AAA #*16476949[AMF-CAF-XF]  |
|                             | BALDRIDGE BLACKCAP T163      | AAA *15732677               |
| BALDRIDGE TITAN A139        |                              | AAA #+*17821946             |
|                             | BALDRIDGE RAPID R31          | AAA 15116841[DDC-AMF-XF]    |
| BALDRIDGE FOREVER LADY T269 |                              | AAA 15735858[CAF-DDF]       |
|                             | BALDRIDGE FOREVER LADY P164  | AAA 14730106                |
| DAM                         |                              |                             |
| EF FOREVER LADY 8037        |                              | AAA *19076216               |
|                             | MCC DAYBREAK                 | AAA #14777016[AMF-CAF-XF]   |
| QUAKER HILL RAMPAGE 0A36    |                              | AAA #+*16925771[AMF-CAF-XF] |
|                             | QHF BLACKCAP 6E2 OF4V16 4355 | AAA +*15601886[DDF]         |
| EXAR FOREVER LADY 0286      |                              | AAA +*18434787              |
|                             | A A R TEN X 7008 S A         | AAA #*15719841[AMF-CAF-XF]  |
| EXAR FOREVER LADY 3035      |                              | AAA 17462639[DDF]           |
|                             | EXAR FOREVER LADY 1088       | AAA 16853191                |



FILE NO. PS00023743 2

*Mark A. McCully*  
Mark A. McCully  
Chief Executive Officer

838424

# 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

|                      |                         |
|----------------------|-------------------------|
| <b>Test Method :</b> | Fragment Analysis (STR) |
| <b>Batch No :</b>    | 26698U                  |
| <b>Sample # :</b>    | 26698U002               |
| <b>Ownername :</b>   | ABS South Africa        |

|                          |                             |
|--------------------------|-----------------------------|
| <b>Tag No :</b>          | 29AN22-0073                 |
| <b>Animal Name :</b>     | 29AN22-0073 2BARC CROSSFIRE |
| <b>Microchip # :</b>     |                             |
| <b>Animal Species :</b>  | CATTLE                      |
| <b>Animal Breed :</b>    | ANGUS                       |
| <b>Registration Id :</b> |                             |
| <b>Birth Date :</b>      | 1-01-01                     |
| <b>Gender :</b>          | Male                        |
| <b>DNA Ref. No :</b>     |                             |
| <b>Tissue Type</b>       | Semen Straw                 |

| Marker   | Allele1 | Allele2 |
|----------|---------|---------|
| BM1818   | 266     | 270     |
| BM1824   | 182     | 188     |
| BM2113   | 133     | 135     |
| CSRM60   | 100     | 104     |
| CSSM66   | 183     | 197     |
| ETH10    | 217     | 219     |
| ETH225   | 144     | 148     |
| ETH3     | 117     | 117     |
| ILSTS006 | 288     | 290     |
| INRA23   | 202     | 206     |
| SPS115   | 254     | 260     |
| TGLA122  | 151     | 155     |
| TGLA126  | 115     | 115     |
| TGLA227  | 97      | 97      |
| TGLA53   | 160     | 170     |

**Created date:** 24-Apr-2026 12:05

**Received date:** 10-Apr-2026 08:31

**Report date:** 06-May-2026 05:48

**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.

**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

ABS 9/13/2026  
DNA ✓  
5 Gen ✓ (set)  
Permit ✓  
Geno ✓



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

## STR Certificate

### Report Details:

**Customer:** ABS-Beef  
**Date Issued:** 2/22/2024

### Animal Details:

**Animal ID:** 29AN2273  
**Barcode:** SBA0145788  
**Reg No:** AAA20092144  
**Animal Name:** 2BARC CROSSFIRE 1003

### Results:

| Marker Name | Result  |
|-------------|---------|
| BM1818      | 266/270 |
| BM1824      | 182/188 |
| BM2113      | 133/135 |
| ETH10       | 217/219 |
| ETH225      | 144/148 |
| ETH3        | 117/117 |
| INRA23      | 202/206 |
| SPS115      | 254/260 |
| TGLA122     | 151/155 |
| TGLA126     | 115/115 |
| TGLA227     | 97/97   |
| TGLA53      | 160/170 |

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>



# Unistel Medical Laboratories Genetic Report

BOVINESNP50-24 v3 BeadChip

ABS South Africa

Angus

Animal Tested: 29AN22-0073 2BARC CROSSFIRE  
26698U002

Semen

Sample type:

| Description      | Mutations                   | Status              | Description  | Mutations Tested                 | Status                                                                |
|------------------|-----------------------------|---------------------|--------------|----------------------------------|-----------------------------------------------------------------------|
| Coat colouration | MC1R - e                    | E+/E+               | Meat         | Calpain 1 - 316                  | G/C - Intermediate breakdown                                          |
|                  | MC1R - ED                   | Ed/Ed               | Tenderness   | Calpain 1 - 4751                 | C/T - Intermediate breakdown                                          |
| Myostatin Status | Dun Dexter Dilution (TYPR1) | +/+                 |              | Calpain 1 - 530                  | A/G - Intermediate breakdown                                          |
|                  | Silver Dilution type 1      | +/+                 |              | Calpastatin - 282                | C/C - Does not inhibit Calpain                                        |
|                  | Silver Dilution type 2      | +/+                 |              | Calpastatin - 2870               | G/G - Does not inhibit Calpain                                        |
|                  | Myostatin C313Y             | Clear               |              | Calpastatin - 2959               | A/A - Does not inhibit 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                                                                   |
|                  | Myostatin Q204X             | Clear               |              | Kappa Casein - 467               | A/A                                                                   |
|                  | Myostatin D182N             | Clear               |              | Kappa Casein - 470               | A/A                                                                   |
| POMPE Status     | Myostatin F94L              | Clear               |              | Kappa Casein - 506               | B/B                                                                   |
|                  | Myostatin S105C             | Clear               |              | Kappa Casein - 526               | A/E                                                                   |
|                  | E7 mutation                 | Clear               |              |                                  |                                                                       |
|                  | E13 mutation                | Clear               | Milk quality | Growth Hormone F279Y             | Increased milk, casein & lactose yield; decreased protein & fat yield |
|                  | E18 mutation                | Clear               |              | Growth Hormone 2141              | Normal milk protein & fat yield                                       |
| Heat Tolerance   | SLICK                       | No added resistance |              | Growth Hormone 2291              | Normal milk fat yield, fat & protein %                                |
| Eye Disorders    | Pinkeye resistance          | Reduced risk 8-13%  |              | ABCG2 - protein yield milk       | Normal fat, protein & milk yield. Normal fat & protein %.             |
| Bone Disorder    | Osteopetrosis               | Clear               |              | AcylCoA - milk fat percentage    | Normal fat, protein & milk yield; normal fat & protein %              |
| Breed mutations  |                             |                     |              | Trimethylaminuria excess in milk | Clear                                                                 |
|                  |                             |                     |              | Yellow milk fat                  | Normal yellow fat                                                     |
|                  | Alpha Mannosidosis 961      | Clear               |              |                                  |                                                                       |
|                  | Neuropathic hydrocephalus   | Clear               | Hornedness   | Polled (Celtic and Friesian)     | Homozygous Polled                                                     |
|                  | Developmental Duplication   | Clear               |              |                                  |                                                                       |

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

## 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**

- Fenotopies is die bul goed en voldoen aan ons standarde
- 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**

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

### **HXC ALLEGIANCE 5502C**

- Fenotopies 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**

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

### **BIEBER EMPOWER J510**

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

Baie dankie  
Vriendelike Groete

**Danie Dames**  
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E: ddames@angus.org.za  
W: [www.angus.org.za](http://www.angus.org.za)