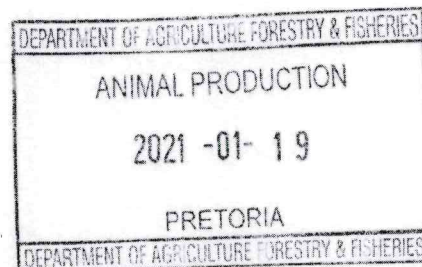




agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



19/02/2021 = 1500

VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2021/01/19
EXPIRY DATE: 2021/07/18

IMPORTATION OF SEMEN: AUTHORISATION NO. S0019/21-1

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

Expiry date: 2021/07/18 for Authorization No. S0019/21-1

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

of: **PO BOX 1143, CAPE GATE, 7562.**

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

Semen will be cleared by:
ABS SOUTH AFRICA.

Name of Animals	Reg. No.	Number of doses
OAKCHURCH DARCY	UK313622100310	1500 - 1500

GENUS BREEDING LTD ALPHA BUILDING, LONDON ROAD NANTWITCH, CW5 7JW, UK

TOTAL: 1500 A

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 This authorization may be withdrawn by the Registrar should any false information be discovered in the application.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 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: 2021/01/19



agriculture, forestry & fisheries

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF AGRICULTURE FORESTRY & FISHERIES
ANIMAL PRODUCTION
2022 -03- 31
PRETORIA
DEPARTMENT OF AGRICULTURE FORESTRY & FISHERIES

VETERINARY MASTER PERMIT NO: NO MASTER

VALID FROM: 2022/03/31
EXPIRY DATE: 2022/09/30

IMPORTATION OF SEMEN: AUTHORISATION NO. S0111/22-1

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

Expiry date: 2022/09/30 for Authorization No. S0111/22-1

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

of: **PO BOX 1143, CAPE GATE, 7562.**

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

Semen will be cleared by:
ABS SOUTH AFRICA.

Name of Animals	Reg. No.	Number of doses
MEAD MAGNITUDE	18543414	60
NUERA T14 0072	US19605121	1050
BIEBER SPARTAN E639	RAAA 3752927	250
MILL BAR HICKOK 7242	AAA 17351674	50

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

TOTAL: 1410

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 be 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 any other person or body unless prior written approval from the Registrar has been obtained. Any such approval shall be considered as a new application for the importation of semen.

REGISTRAR: ANIMAL IMPROVEMENT

DATE: 2022/03/31

Red Angus Association of America

BIEBER SPARTAN E639

04/30/2017

Polled Red Angus Bull

3762927

Name

Birth Date

Registration Number

E639

Tattoo

Name	RAA Number	Identification	Birth Date	Foreign Number	5th Generation
BFCK CHEROKEE CNYN 4912	574873	4912	04/14/1997		Sire: BUF CRK CHF 824-1658
LCC CHEYENNE B221L	786422	B221L	02/10/2001		Dam: MRM 1431 8611 9109
HXC 701G	559783	701G	01/25/1997		Sire: LMAN ROBIN HOOD 1174B
BIEBER ROUSE SAMURAI X22	1363427	X22	02/16/2010		Dam: HXC 555E
BIEBER BOONE 8000	731189	8000	04/02/2000		Sire: BIEBER BOONE 6927
GHR MARTA R31	1035834	R31	03/13/2005		Dam: BIEBER QUE 6007
GHR M03 MARTA	844742	M03	01/28/2002		Sire: BASIN HOBO 79E
BIEBER SPARTACUS A193	1617230	A193	03/05/2013		Dam: BASIN JOSEY 0517
BIEBER MAKE MIMI 7249	663262	7249	02/13/1999		Sire: BIR MAKE MY DAY 981
LCOG HIGH NOON A093R	1039801	A093R	01/05/2005		Dam: BIEBER SIRENA 6708
SRN HI DEE 3021	893277	3021	01/05/2003		Sire: BFCK CHEROKEE CNYN 4912
BIEBER TILLY 233U	1239863	233U	03/02/2008		Dam: SRN HI DEE 1005
BIEBER NONE COMPARE3471	479049	5471	02/16/1995		Sire: LMAN NONE BETTER 9604
BIEBER TILLY 7334	663346	7334	03/15/1999		Dam: BIEBER QUEEN 4672
BIEBER TILLY 5088	441370	5088	02/10/1994		Sire: BIEBER DESIGN 1325-082
					Dam: BIEBER TILLY 4566

BIEBER SPARTAN E639 3762927 E639 04/30/2017

RED CROWFOOT OLES OSCAR	1060209	2042M	01/16/2002		Sire: MLK CRK CUB 722
RED SSS OLY 554T	1411448	554T	01/22/2007		Dam: RED CROWFOOT OMEGA 91791
RED SSS GOLD EDGE 77R	2092539		02/12/2005		Sire: SL NORSEMAN KING 2291
VGW OLY 903	1322060	903	01/27/2009		Dam: RED SSS GOLD EDBE 714F
VGW TRADEMARK 4101	971532	4101	04/03/2004		Sire: MLK CRK FOUNDATION 110
VGW TM-DORA 0758	1175953	0758	02/25/2007		Dam: VGW MR-FIREFLY 9906
VGW PT-DORY 0361	902758	0361	03/19/2003		Sire: SL PRIME TIME 2559
BIEBER RENEE 477A	1619786	477A	04/22/2013		Dam: VGW 819 DORY 0020
GLACIER CHATEAU 744	557331	744	02/19/1997		Sire: LMAN KING ROB 8621
OLC CHATEAU K465	769756	K465	11/26/2000		Dam: GLACIER REBALA
BIEBER ELINE H649	653632	H649	09/16/1998		Sire: LMAN ROBIN HOOD 1174B
OLC RENEE S188	1088603	S188	01/31/2006		Dam: BIEBER ELINE 4964
DCC DIVIDE 55	514122	V55	12/02/1995		Sire: GLACIER DIVIDE 310
LMB ST RENEE 927	655488	927	02/09/1999		Dam: DCC COOPER LASS 30
LMB ST RENEE 5118	476668	5118	04/02/1995		Sire: LCHAN BETTER HALF 1069C
					Dam: LMB ST RENEE 839

RED ANGUS

RANCH TESTED. RANCHER TRUSTED.

FIVE GENERATION EXTENDED PEDIGREE

18335 E. 103rd Avenue, Suite 202 • Commerce City, CO 80022-3103

(940) 387-3502 • FAX (888) 829-6069

Email: info@redangus.org • Website: www.redangus.org

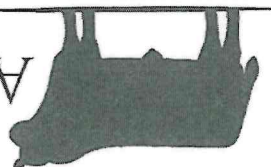
John T Brink

John T Brink, Chief Executive Officer

Printed: 04/30/2021

The data listed in this pedigree is a true and accurate representation of the Red Angus Database. To the best of my knowledge, no genetic abnormalities have been reported to this animal.

THE
ABERDEEN-ANGUS
CATTLE SOCIETY



Pedigree House, 6 King's Place, Perth, Scotland PH2 8AD

A Company limited by guarantee registered in Scotland No. 926 • Scottish Charity No. SC 003894

CERTIFICATE OF PEDIGREE

Issued in accordance with Commission Decision 2005/379/EC for intra-community trade

Name: OAKCHURCH DARCY T310

Registration Tag Number
UK313622 100310

AA Herd Book Vol. No. 142

MALE

Date of Birth: 03/10/2017

VTMY437(AU) TE MANIA YORKSHIRE Y437

VTMB1(AU)36 TE MANIA BERKLEY B1 (AI) (IMP)

VTMZ53(AU) TE MANIA LOWAN Z53

SIRE: OAKCHURCH DYNAMITE R222

NETHERALLAN PETER PERSHORE E052

UK541616 100052 OAKCHURCH DONNA L045

UK9653459682 BALLYHEATHER DOLLY Z682

VTMY437(AU) TE MANIA YORKSHIRE Y437

VTMB1(AU)36 TE MANIA BERKLEY B1 (AI) (IMP)

VTMZ53(AU) TE MANIA LOWAN Z53

DAM: OAKCHURCH DELIA N138

RAWBURN NO LIMITS 5N (AI) (IMP)

UK301703 200021 OAKCHURCH RED DELIA F021

UK9653459682 BALLYHEATHER DOLLY Z682

Date Registered: 23/10/2017

BREEDER 4900 OWNER 750

MR J & MRS A PRICE
OAKCHURCH FARM
STAUNTON-ON-WYE
HEREFORD
HR4 7NE
GENUS BREEDING LIMITED
RUTHIN FREEZING UNIT
LLANRHYDD
RUTHIN
DENBIGHSHIRE
NORTH WALES LL15 2UP

Chief Executive

B. Smith

Genetic evaluation information for Pedigree Aberdeen-Angus Cattle is available on www.aberdeen-angus.co.uk
The above mentioned animal is accepted for entry in this Society's Herd Book on the understanding that such entry may be cancelled if it is subsequently found that the information supplied by the breeder is inaccurate.
This Certificate is issued with full reliance upon information provided by the breeder and therefore is not a guarantee by The Aberdeen-Angus Cattle Society.

Certificate ID: UK313622 100310



Batch Detail Report

Created : 2022-06-28

Batch : 9422U
Owner : ABS South Africa
Farm :
Account : ABSSA1
Origin : PRIVATE
Invoice To : Owner

SAMPLE	ANIMAL	SPECIES	BREED	DAM	SIRE	TEST	RESULT	INVOICE
9422U001	OAKCHURCH DARCY 29AN2101 (M,23)	CATTLE	ANGUS (23)			SNP50_C	IG50 : IGENITY 50K	42209
9422U002	BIEBER SPARTAN E639 29AR0277 (M,23)	CATTLE	ANGUS (23)			SNP50_C	IG50 : IGENITY 50K	42209

Report Date : 21-Jul-2022 12:33

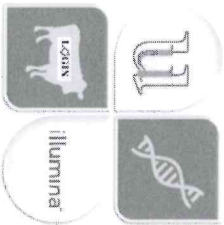
Page 1

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



Unistel Medical Laboratories
Genetic Report

BOVINESNP50-24 v3 BeadChip

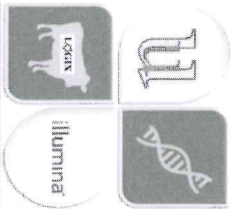
ABS South Africa

Animal Tested: OAKCHURCH DARCY 29AN2101
Angus
9422U001

Sample type: Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	E+/E+	Meat	Calpain 1 - 316	G/C
	MC1R - ED	Insufficient data	Tenderness	Calpain 1 - 4751	C/C
	PMEL17 Dilution	+/+		Calpain 1 - 530	G/G
	Silver Dilution type 1	+/+		Calpastain - 282	C/C
	Silver Dilution type 2	+/+		Calpastain - 2870	G/G
Myostatin Status	Myostatin C313Y	Clear	Milk status	Calpastain - 2959	A/A
	Myostatin E226X	Clear		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
POMPE Status	Myostatin Q204X	Clear	Milk quality	Kappa Casein - 470	A/B
	Myostatin D182N	Clear		Kappa Casein - 506	A/B
	Myostatin F94L	Clear		Kappa Casein - 526	A/A
	Myostatin S105C	Clear		Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
	E7 mutation	Clear		Growth Hormone 2141	Normal milk protein & fat yield
Hornedness	E18 mutation	Clear	Hornedness	Growth Hormone 2291	Normal milk fat yield, fat & protein %
	Polled Celtic	Homozygous Polled		ABCG2 - protein yield milk	Normal fat, protein & milk yield; normal fat & protein %
Heat Tolerance	SLICK	Clear		AcylCoA - milk fat percentage	Normal milk fat & protein concentration, normal milk volume
Eye Disorders	Pinkeye resistance	Reduced risk 16-26%		Trimethylaminuria excess in milk	Clear
Bone Disorder	Osteopetrosis	Clear		Yellow milk fat	Normal yellow fat
Breed mutations	Alpha Mannosidosis 961	Clear	Breed mutations	Neuropathic hydrocephalus	Clear
	Neuropathic hydrocephalus	Clear		Developmental Duplication	Clear
	Developmental Duplication	Clear		Mulefoot	Carrier
	Mulefoot	Carrier			

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individual(s) nominated by the owner/breeder/requester. This certificate represents 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.



Unistel Medical Laboratories

Genetic Report

BOVINESNP50-24 v3 BeadChip

ABS South Africa

Angus

Animal Tested:

BIEBER SPARTAN E639 29AR0277

9422U002

Sample type:

Semen

Description	Mutations	Status	Description	Mutations Tested	Status
Coat colouration	MC1R - e	E+/E+	Meat	Calpain 1 - 316	G/C
	MC1R - ED	E+/E+	Tenderness	Calpain 1 - 4751	C/T
	PMEL17 Dilution	+/+		Calpain 1 - 530	G/G
	Silver Dilution type 1	+/+		Calpastain - 282	C/C
	Silver Dilution type 2	+/+		Calpastain - 2870	G/G
Myostatin Status	Myostatin C313Y	Clear	Milk status	Calpastain - 2959	A/A
	Myostatin E226X	Clear		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
POMPE Status	Myostatin Q204X	Clear	Milk quality	Kappa Casein - 470	A/A
	Myostatin D182N	Clear		Kappa Casein - 506	B/B
	Myostatin F94L	Clear		Kappa Casein - 526	A/A
	Myostatin S105C	Clear		Growth Hormone F279Y	Increased milk, casein & lactose yield; decreased protein & fat yield
	E7 mutation	Clear		Growth Hormone 2141	Normal milk protein & fat yield
Hornedness	E13 mutation	Clear	Breed mutations	Growth Hormone 2291	Normal milk fat yield, fat & protein %
	E18 mutation	Clear		ABCG2 - protein yield milk	Normal fat, protein & milk yield; normal fat & protein %
Heat Tolerance	SLICK	Clear		Acy/CoA - milk fat percentage	Normal milk fat & protein concentration, normal milk volume
Eye Disorders	Pinkeye resistance	Reduced risk 16-26%		Trimethylaminuria excess in milk	Clear
Bone Disorder	Osteopetrosis	Clear		Yellow milk fat	Normal yellow fat
Breed mutations	Alpha Mannosidosis 961	Clear	Breed mutations	Alpha Mannosidosis 961	Clear
	Neuropathic hydrocephalus	Clear		Neuropathic hydrocephalus	Clear
	Developmental Duplication	Clear		Developmental Duplication	Clear
	Mulefoot	Carrier		Mulefoot	Carrier

Disclaimer: Unistel reports these results on the premise that the biological samples received are from the individual nominated by the owner/breeder/requester. This certificate represents all previous issued certificates. While every effort is made to prevent incorrect results, Unistel does not warrant the accuracy of the results. The results are for informational purposes only and should not be used for breeding decisions. The results are for informational purposes only and should not be used for breeding decisions.