

ABS 4/4/2023

Permit ✓
Geno ✓
Verstlag ✓



**agriculture,
forestry & fisheries**

Department:
Agriculture, Forestry and Fisheries
REPUBLIC OF SOUTH AFRICA



VETERINARY MASTER PERMIT NO: NO MASTER

**VALID FROM: 2022/09/02
EXPIRY DATE: 2023/03/01**

IMPORTATION OF SEMEN: AUTHORISATION NO. S0291/22-1

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

Expiry date: 2023/03/01 for Authorization No. S0291/22-1

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
FULL PACKAGE <i>LAR Full Package</i>	29AN2206	30
ALLEGIANCE	29AR0268	27
PROPULSION	29AR0280	40
FREE STYLE	29AR0281	10
PRIME PLUS	29AR0284	100

ORIGEN 10 W ARROW CREEK RD HUNTLEY, MT 59037, USA.

TOTAL: 207

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 This authorization may be withdrawn by the Registrar should any false information be discovered in the application.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: 2022/09/02

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 :	12761U
Sample # :	12761U002
Ownername :	ABS South Africa

Tag No :	LAR FULL PACKAGE
Animal Name :	LAR FULL PACKAGE
Microchip # :	
Animal Species :	CATTLE
Animal Breed :	ANGUS
Registration Id :	
Birth Date :	2015-02-04
Gender :	Male
DNA Ref. No :	
Tissue Type	Semen Straw

Marker	Allele1	Allele2
BM1818	266	270
BM1824	178	178
BM2113	133	137
CSRM60	100	102
CSSM66	187	197
ETH10	217	217
ETH225	144	150
ETH3	117	127
ILSTS006	290	290
INRA23	206	208
SPS115	248	254
TGLA122	143	151
TGLA126	115	117
TGLA227	89	91
TGLA53	160	168

Created date: 11-Apr-2023 12:44

Received date: 30-Mar-2023 10:37

Report date: 09-May-2023 14:04

DNA profile analysed to ISAG specification(2021/2022)

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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

AMERICAN ANGUS ASSOCIATION

3201 Frederick Avenue
Saint Joseph, Missouri 64506-2997
www.angus.org
Ph 816-383-5100 Fax 816-233-9703

NAME OF ANIMAL	SEX	REGISTRY NO.	DATE CALVED	FREEZE BRAND	
LAR FULL PACKAGE	Bull	AAA 19952430	2/11/2020	0138	0138
BREEDER					
Larson, Beau Sharon Springs KS					

	CONNEALY ONWARD	AAA #*14216491[AMF-CAF-XF]
SITZ UPWARD 307R		AAA #*14963730[AMF-CAF-XF]
	SITZ HENRIETTA PRIDE 81M	AAA #14087650
PLATTEMERE WEIGH UP K360		AAA #*16692552[AMF-CAF-XF]
	G A R RETAIL PRODUCT	AAA #13395329[AMF-CAF-XF]
BARBARA OF PLATTEMERE 337		AAA #16274856[DDF]
	BARBARA OF PLATTEMERE 311	AAA 15394402
SIRE		
KB-FULL MEASURE C40		AAA #18423726[AMF-CAF-XF]
	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
KB-EMMA-TEN X-B02		AAA 17833755
	S A V BISMARCK 5682	AAA #+15109865[AMF-CAF-XF]
KB-EMMA-BIS-1203		AAA 17257033
	KB EMMA NS 802	AAA 16277763[DDF]
	BOYD NEW DAY 8005	AAA #+13050780[AMF-CAF-XF]
B/R NEW DAY 454		AAA #*14675445[DDC-AMF-XF]
	B/R RUBY 1224	AAA 13879911[DDC]
V A R RESERVE 1111		AAA #+*16916944[AMF-CAF-XF]
	CONNEALY ONWARD	AAA #*14216491[AMF-CAF-XF]
SANDPOINT BLACKBIRD 8809		AAA +*16143141[AMF]
	RIVERBEND BLACKBIRD 4301	AAA +14680067[NHF]
DAM		
LAR 1111 BLACKBIRD 5144		AAA 18382357
	N BAR EMULATION EXT	AAA #*10776479[AMF-CAF-XF]
B A R EXT TRAVELER 205		AAA #12452829[AMF-CAF-XF]
	B A R QUEEN TRAVELER 3015	AAA #11991303
LAR 205 BLACKBIRD 706		AAA #16436168
	LAR TRAVELER 1254	AAA 14894479
LAR BLACKBIRD 510		AAA 15897276
	LAR 234D BLACKBIRD 271	AAA 14921494

AMERICAN ANGUS ASSOCIATION

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

PERFORMANCE PEDIGREE

Parentage: SNP

Genomic: Angus GS

Parents Qualified

NAME OF ANIMAL
LAR FULL PACKAGE
BREEDER

SEX
Bull

FREEZE BRAND
0138

BIRTH DATE
2/11/2020
MEMBER CODE
A-325802

REGISTRY NO.
AAA *19952430
[AMF-CAF-D2F-DDF-M1F-NHF-OHF-OSF-RDF]

TAG NO.
0138

Larson, Beau Sharon Springs KS
OWNERS
Larson, Beau Sharon Springs KS
ABS Global Inc De Forest WI

A-325802
A-1058214

As of 12/15/2021

	Production EPD												Maternal EPD							Carcass EPD						
	CED	BW	WW	YW	RADG	DMI	YH	SC	Doc	Claw	Angle	PAP	HP	CEM	Milk	MW	MH	\$EN	CW	Marb	RE	Fat	C _{Grp/Pg}	U _{Grp/Pg}		
I n d i v i d u a l	+18	-1.1	+60	+117	+31	+88	+2	+46	+13	+49	+44	+64	+9.1	+13	+40	+56	+0	-24	+51	+1.24	+64	-.010				
	.36	.55	.47	.43	.33	.33	.52	.48	.35	.28	.33	.25	.22	.31	.33	.39	.42		.41	.37	.37	.34				
	+15	-1.0	+75	+134	+33	+77	+4	+19	+6	+67	+47	+2.29	+14.7	+14	+33	+77	+5	-30	+53	+1.07	+56	-.036		126		
S t e e	.71	.91	.88	.79	.47	.47	.81	.78	.66	.50	.49	.32	.35	.59	.53	.52	.52		.53	.47	.48	.47		214		
	+12	+7	+44	+89	+23	+74	+2	+39	+17	+35	+48	-.70	+9.0	+7	+37	+39	+1	-14	+36	+82	+72	+0.002		4		
	.28	.44	.39	.35	.24	.24	.45	.27	.17	.18	.19	.11	.15	.28	.37	.40	.45		.32	.27	.31	.25		4		
D a m																										

SITZ UPWARD 307R

AAA #*14963730

PLATTEMERE WEIGH UP K360

AAA #*16692552 [RDF]

SIRE

BARBARA OF PLATTEMERE 337

AAA #16274856

KB-FULL MEASURE C40

AAA #18423726 [RDF]

A A R TEN X 7008 S A

AAA #*15719841

KB-EMMA-TEN X-B02

AAA 17833755

KB-EMMA-BIS-1203

AAA 17257033

B/R NEW DAY 454

AAA #*14675445

V A R RESERVE 1111

AAA #*16916944

DAM

SANDPOINT BLACKBIRD 8809

AAA #*16143141

LAR 1111 BLACKBIRD 5144

AAA 18382357

B A R EXT TRAVELER 205

AAA #12452829

LAR 205 BLACKBIRD 706

AAA #16436168

LAR BLACKBIRD 510

AAA 15897276

SValues			
\$M	\$F	\$B	
\$W	\$G	\$C	
+57	+100	+178	
+80	+78	+288	
+64	+106	+178	
+89	+72	+295	
+52	+84	+144	
+58	+60	+239	

Pathfinder + Embryo Transplant * Parents Qualified

1 nd P rog S t e s D m H G S	PRODUCTION											MATERNAL				ULTRASOUND								
	CALV EASE		BIRTH WT		WEAN WT		YEAR WT		YEAR HT		YEAR SC		CALV EASE		WEANING		% IMF		RIBEYE		FAT		RUMP FAT	
	HERDS PROG	HERD-ORG AVG	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	RATIO	HERDS PROG	RATIO	HERDS DMLS	PROG AVG	HERDS DMLS	PROG RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO	HERDS PROG	CONT RATIO
			23		23		18										18		18		18		18	
	1		88		92		103										102		103		89		63	
	82		169		122	55	72	27	33		28		40	90	30	77	55		55		55		55	
	212	1.0	884	98	739	101	280	101	120	100	110	99	90	1.0	77	102	241	103	241	100	241	92	241	87
	1		1		1	28	1	22					1	1			1		1		1		1	
	1	1.0	5	98	5	97	3	103					1	1.0			4	100	4	95	4	99	4	102
	393		655		600	63	406	42	154		173		502	1328	551	3669	266		266		266		266	
	1391	1.0	5069	100	4937	99	2906	100	931	100	925	99	1328	1.0	1549	99	2231	101	2233	100	2233	93	2232	100
Calving Ease:		1. No Assistance 2. Some Assistance		3. Mechanical Assistance 4. Caesarean Section		5. Abnormal Presentation																		

Calving Ease: 1. No Assistance 2. Some Assistance 3. Mechanical Assistance 4. Caesarean Section 5. Abnormal Presentation



REQUESTED BY:

ABS Global Inc De Forest WI

MEMBER CODE

A-1058214

FILE NO. X65066

10

DATE PRINTED

12/15/2021

Mark A. McCully

Mark A. McCully
Chief Executive Officer

1058214



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

STR Certificate

Report Details:

Customer: ABS-Beef
Date Issued: 12/28/2021

Animal Details:

Animal ID: LAR FULL PACKAGE 0138
Barcode: ABS0001122
Reg No: AAA19952430
Animal Name: ABS102650442

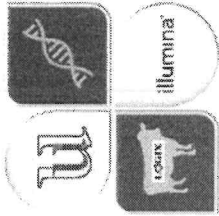
Results:

Marker Name	Result
BM1818	266/270
BM1824	178/178
BM2113	133/137
ETH10	217/217
ETH225	144/150
ETH3	117/127
INRA23	206/208
SPS115	248/254
TGLA122	143/151
TGLA126	115/117
TGLA227	89/91
TGLA53	160/168

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
LAR FULL PACKAGE
12761U002

Animal Tested:

Sample type: Semen

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

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

Batch Detail Report

Batch : 12761U
 Owner : ABS South Africa
 Farm :
 Account : ABSSA1
 Origin : PRIVATE
 Invoice To : Owner

Created : 2023-03-31

SAMPLE	ANIMAL	SPECIES	BREED	BAM	SIRE	TEST	Tissue Type	RESULT	INVOICE
12761U001	HXC ALLEGIANCE 5502C (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	HER01 : Repeat sample is requested	
12761U002	LAR FULL PACKAGE (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	
12761U003	LSF SRR PRIME PLUS 0111H (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	IG50 : IGENITY 50K	
12761U004	SQUARE B TRUE NORTH 8052 (M,23)	CATTLE	ANGUS (23)			SNP50_C	Semen Straw	HER01 : Repeat sample is requested	

Report Date : 11-May-2023 13:43

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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