WAGYU SOCIETY
OF SOUTH AFRICA

HOW TO COMPLETE THE DNA PRODUCER SUBMISSION 780 FORM

A STEP BY STEP GUIDE

The DNA Producer Submission 780 form is used to detail the DNA request to the laboratory. This form should be accompanied by the signed Lab request form of the specific laboratory to be used. As well as the birth notification form.

Laboratories that the Wagyu Society is currently working with:
- Unistel
- GenePro
- ZooOmics
- Neogen

Tests that can be requested:

- Parentage verification using MIP markers. This is the most widely used method of parentage verification in Southern Africa. This method makes use of about 19-21 markers that are spread throughout the genome to match calves to their parents.
- Parentage verification using SNP markers. This method is now the preferred method to verify parentage worldwide. Through this method, a genotype is created which contributes to the accuracy of an animal's estimated breeding value. SNP's make use of 15K to 150K markers that are spread throughout the genome. This has greatly improved the accuracy of parentage verification. Note: The bull and cow must also have an SNP profile for the calf to be matched to the parents using this technology.
- Test for recessive genes and genetic disorders.

office@wagyu.org.za
www.wagyu.org.za

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Before completing the DNA Producer Submission 780 form, please take note of the following:
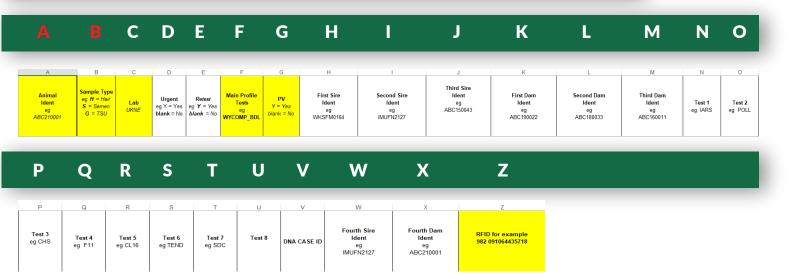
- **Do not delete columns from this sheet.** If the column does not apply to you, leave the column blank.
- It is up to you to ensure that the information entered is accurate and complete.
- To submit a more complete set of data which has been pre-checked against your database, you should consider using an integrated software package like the South African-endorsed BREEDPLAN HerdMASTER program (012 667 5258, Email: herdmaster@lrf.co.za)
- Save the sheet as an Excel Workbook (.xls) file:
  - use File - Save as
  - in the pop-up box, type in a **File name (please use your member ident. in the file name),** and highlight .xls in the **Save as type** area.
  - **Please DO NOT save as a CSV file.** This will delete data such as any leading zeros. We import any data as it is submitted to the office. Please take care with submitting information such as leading zeros.
  - Send the file(s) by email to office@wagyu.org.za with a short note explaining what is included in the file, e.g., parentage request for calves born in 2023.

Disclaimer: The Wagyu Society & CWB takes no responsibility for data entered via this form other than to try and load the information as supplied and send the information & samples to the requested lab. Problems in the data will be returned to you for correction.

WHAT TO FILL IN EACH COLUMN?

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Animal Ident *eg* ABC210001	Sample Type *eg* **H** = Hair **S** = Semen **G** = TSU	Lab UKNE	Urgent eg Y = Yes blank = No	Retest eg **Y** = Yes blank = No	Main Profile Tests eg WYCOMP_BDL	PV Y = Yes blank = No	First Sire Ident eg WKSFM0164	Second Sire Ident eg IMUFN2127	Third Sire Ident eg ABC150043	First Dam Ident eg ABC190022	Second Dam Ident eg ABC180033	Third Dam Ident eg ABC160011	Test 1 eg IARS	Test 2 eg POLL

P	Q	R	S	T	U	V	W	X	Z
Test 3 eg CHS	Test 4 eg F11	Test 5 eg CL16	Test 6 eg TEND	Test 7 eg SDC	Test 8	DNA CASE ID	Fourth Sire Ident eg IMUFN2127	Fourth Dam Ident eg ABC210001	RFID for example 982 091064435718

Column A
Animal Ident
e.g., ABC210001

Animal Ident exactly as recorded on the society database.

The Ident is made up of:
1) Herd letters (HDM) e.g., ABC
2) Year number (YY) e.g., 13 for 2013,
3) Sequence number (up to 4 digits and must be zero filled up to 4 digits) e.g., 0012.

The complete ID will look like this HD-MYY#### e.g., ABC130012. Use this complete calve ID whenever you are filling out any forms for the Society or CWB.

Column B
Sample Type
e.g., H = Hair;
S = Semen; G = TSU

Animal Ident exactly as recorded on the society database.

The Ident is made up of:
1) Herd letters (HDM) e.g., ABC
2) Year number (YY) e.g., 13 for 2013,
3) Sequence number (up to 4 digits and must be zero filled up to 4 digits) e.g., 0012.

The complete ID will look like this HD-MYY#### e.g., ABC130012. Use this complete calve ID whenever you are filling out any forms for the Society or CWB.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Animal Ident eg *ABC210001*	**Sample Type** eg ***H** = Hair* ***S** = Semen* ***G** = TSU*	**Lab** *UKNE*	**Urgent** eg Y = Yes blank = No	**Retest** eg ***Y** = Yes* ***blank** = No*	**Main Profile Tests** eg **WYCOMP_BDL**	**PV** *Y = Yes* *blank = No*	**First Sire Ident** eg WKSFM0164	**Second Sire Ident** eg IMUFN2127	**Third Sire Ident** eg ABC150043	**First Dam Ident** eg ABC190022	**Second Dam Ident** eg ABC180033	**Third Dam Ident** eg ABC160011	**Test 1** eg IARS	**Test 2** eg POLL

Column C
Lab
e.g., UKNE

A code that identifies the Lab you require.
Codes:
UNI - Unistel Laboratory
SAZOO - ZooOmics Laboratory
SAGENEP - GenePro Laboratory
UKNE - Neogen UK Laboratory

Column D
Urgent e.g., Y = Yes
blank = No

Y for Yes else blank for No

Column E
Urgent e.g., Y = Yes
blank = No

Y for Yes else blank for No

Column F
Main Profile Tests
e.g., MIP; WY-
COMP_BDL

If requesting an SNP, then enter the test code here.

Codes are: UNISTEL:
MIP - Microsatellite DNA Profile
USG50K - SNP 50K Profile
STORE - Storage Only

ZOOOMICS (MIP ONLY):
MIP - Microsatellite DNA Profile
WYMIP_BDL - Wagyu 5-in-1 (DNA profile, F11, CHS, B3, CL16)
POLL - Polled

GENEPRO (MIP ONLY):
MIP - Microsatellite DNA Profile
NEOGEN (SNP ONLY): WYCOMP_BDL -
GGP100K + CHS + B3 + CL16 + F11 + IARS +
POLL + SDC

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Animal Ident eg ABC210001	Sample Type eg H = Hair S = Semen G = TSU	Lab UKNE	Urgent eg Y = Yes blank = No	Retest eg Y = Yes blank = No	Main Profile Tests eg WYCOMP_BDL	PV Y = Yes blank = No	First Sire Ident eg WKSFM0164	Second Sire Ident eg IMUFN2127	Third Sire Ident eg ABC150043	First Dam Ident eg ABC190022	Second Dam Ident eg ABC180033	Third Dam Ident eg ABC160011	Test 1 eg IARS	Test 2 eg POLL

Column G
PV
e.g., Y = Yes
blank = No

Y for Yes else blank for No. This refers to both parentage verification as well as just sire or dam verification.

Column H
First Sire Ident
e.g., WKSFM0164

Only enter if requesting a PV. This is a sire to verify the animal in column A too. Enter the Society registered Id of the sire. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

Column I
Second Sire Ident e.g., IMUFN2127

Only enter if requesting a PV. This is a sire to verify the animal in column A too. Enter the Society registered Id of the sire. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

Column J
Third Sire Ident e.g., ABC150043

Only enter if requesting a PV. This is a sire to verify the animal in column A too. Enter the Society registered Id of the sire. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Animal Ident eg ABC210001	Sample Type eg H = Hair S = Semen G = TSU	Lab UKNE	Urgent eg Y = Yes blank = No	Retest eg Y = Yes blank = No	Main Profile Tests eg WYCOMP_BDL	PV Y = Yes blank = No	First Sire Ident eg WKSFM0164	Second Sire Ident eg IMUFN2127	Third Sire Ident eg ABC150043	First Dam Ident eg ABC190022	Second Dam Ident eg ABC180033	Third Dam Ident eg ABC160011	Test 1 eg IARS	Test 2 eg POLL

Column K
First Dam Ident e.g., ABC190022

Only enter if requesting a PV. This is a dam to verify the animal in column A too. Enter the Society registered Id of the dam. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

Column L
Second Dam Ident e.g., ABC180033

Only enter if requesting a PV. This is a dam to verify the animal in column A too. Enter the Society registered Id of the dam. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

Column M
Third Dam Ident e.g., ABC160011

Only enter if requesting a PV. This is a dam to verify the animal in column A too. Enter the Society registered Id of the dam. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2 B3C2B3C3A

Column N
Test 1 e.g., IARS

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O

Animal Ident eg ABC210001	Sample Type eg H = Hair S = Semen G = TSU	Lab UKNE	Urgent eg Y = Yes blank = No	Retest eg Y = Yes blank = No	Main Profile Tests eg WYCOMP_BDL	PV Y = Yes blank = No	First Sire Ident eg WKSFM0164	Second Sire Ident eg IMUFN2127	Third Sire Ident eg ABC150043	First Dam Ident eg ABC190022	Second Dam Ident eg ABC180033	Third Dam Ident eg ABC160011	Test 1 eg IARS	Test 2 eg POLL

Column O
Test 2 e.g., POLL

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

P	Q	R	S	T	U	V	W	X	Z

Test 3 eg CHS	Test 4 eg F11	Test 5 eg CL16	Test 6 eg TEND	Test 7 eg SDC	Test 8	DNA CASE ID	Fourth Sire Ident eg IMUFN2127	Fourth Dam Ident eg ABC210001	RFID for example 982 091064435718

Column P
Test 3 e.g., CHS

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

Column Q
Test 4 e.g., F11

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

Column R
Test 5 e.g., CL16

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

P	Q	R	S	T	U	V	W	X	Z
Test 3 eg CHS	Test 4 eg F11	Test 5 eg CL16	Test 6 eg TEND	Test 7 eg SDC	Test 8	DNA CASE ID	Fourth Sire Ident eg IMUFN2127	Fourth Dam Ident eg ABC210001	RFID for example 982 091064435718

Column S
Test 6 e.g., TEND

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

Column T
Test 7 e.g., SDC

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

Column U
Test 8 e.g., B3

Any one of the genetic tests acknowledged by the Society or leave blank.

Codes are: POLL, CHS, F11, CL16, B3, IARS, SDC, TEND

Column V
DNA CASE ID

The DNA case Identifier of the animal is in column A. Only applicable in retests, where a DNA case ID has been created for the animal.

Column W
Fourth Sire Ident e.g., IMUFN2127

Only enter if requesting a PV. This is a dam to verify the animal in column A too. Enter the Society registered Id of the sire. Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.

Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2B3C2B3C3A

P	Q	R	S	T	U	V	W	X	Z
Test 3 eg CHS	Test 4 eg F11	Test 5 eg CL16	Test 6 eg TEND	Test 7 eg SDC	Test 8	DNA CASE ID	Fourth Sire Ident eg IMUFN2127	Fourth Dam Ident eg ABC210001	RFID for example 982 091064435718

Column X
Fourth Dam Ident e.g., ABC210001

Only enter if requesting a PV. This is a dam to verify the animal in column A too. Enter the Society registered Id of the dam.

Note: The Society Id must be completed in the correct format i.e. HDMYY####, e.g., ABC230001.

Use https://abri.une.edu.au/online/c-gi-bin/i4.dll?1=30213A07&2=2431&3=56&5=2B3C2B3C3A

Column Z
RFID e.g.
982 091064435718

The full RFID tag number. Note the ISO standard requires a space behind the country code (first three digits), e.g., 982 1254789632144.

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- Use Society approved Sample kits (hair card and/or TSU).
- In cases where more than one (1) bull is a possible sire of the calve, send the list of sires used to the Society before completing the birth notification form. The Society will create multi-sire groups with unique IDs that can be used in the Sire ID fields of this form.
- This form can be used for both Seedstock (Stud) & CWB animals.
- Members that opt to work directly with the DNA laboratories to do their parent verifications should note that the laboratory does not release those results to the Society. The breeder is responsible for ensuring that the Society receives the results on time and will be levied a late registration fee for results submitted past the eighth-month age of the calf cut-off date.
- Ensure that the office has received the birth notification form with the required animal details for faster processing and lab result turnover. If the office does not receive the birth notification the DNA Producer Submission 780 form will not be processed, and the samples will be held back which may result in late registration fees.

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