

DNA TESTING - SNP UPGRADE

URGENT NOTICE TO MEMBERS SNP DNA TESTING UPGRADE UPDATED 08/12/2017

Since the previous advice to Members was sent on 27th of November significant progress has been made in negotiating the Service Agreement with GAA. This has now been finalised and the new DCAI price schedules are being developed for publication.

The Transition to SNP DNA testing is the most significant issue facing DCAI and it's Membership at this time. Notably a change of this nature comes with an enormous amount of information that can be overwhelming. This notice should make it easier to understand what you need to consider now during this transitional phase of the change to SNP testing.

For now enabling Members to transition their herds is the most important issue. The information in this notification is focused on that transitional upgrade process, the time lines and the discounts associated with the initial upgrade offer.

The Information in this notice has been updated to ensure you have the most up-to-date information and are able to make informed decisions.

The details of DNA testing procedures moving forward will be explained more fully in the Bulletin.

We advise you to read the information in this notification to enable you to make the right choices for the management of your herd in the future.

The key things to note in this document are:

- The information pertaining to the SNP Upgrade has been updated - so please read it
- The Q & A has been updated for clarity, focuses on the upgrade and includes some new information
- The Animal Nomination Form has been updated to reflect the Transitional Upgrade Prices including additional subsidies for both Seekshire and GGPLD (50K)

Significant discounts are available for SNP testing your active breeding animals that you may want to DNA / Parent verify calves to in the future.

Members are reminded that these prices and subsidies are only available to financial Full and Junior DCAI Members for this transitional period. Nominations for animals to be tested need to be sent to the DCAI Registrar by the 23rd December using the form provided. PDF and Excel Eforms are attached to this notification email. Members are encouraged to use the Eform where possible to assist in the collation process.

The form will also be available on the DCAI website in the DCAI documents and Forms section as a downloadable PDF or Excel spread sheet.

Important note. Please get your nominations in as soon as possible. The cut off is the 23rd December. The Registrar has to check and collate all of the information into one list for submission to GAA. With Christmas closures encroaching on the time-lines it is critical to get information in sooner rather than later.

DCAI Council

08 November 2017

DNA TESTING - UP GRADE OFFER

DNA TESTING SNP UPGRADE

In order for the members to access the SNPs DNA upgrade at the transitional discount price Members *must* submit a list of animals they want tested under this discount scheme by 23rd of December 2017.

Conditions apply for animals to be included in the scheme:

- Nominated animals must have previously been DNA tested through DCAI. Animals tested privately are not eligible for the discount.
- Testing is dependent on Geneseek still having tail hair samples on file and that enough DNA can be extracted from those remaining samples.
- The offer is not open to any new animals that have not been tested before.
- Animals previously tested by blood typing and not having been DNA tested using tail hair are not eligible.
- Members must have submitted their list of nominated animals on the prescribed form on or before the 23rd of December in order for the lists to be collated and submitted to Geneseek in accordance with their deadline.
- Only current full financial and Junior DCAI Members will be eligible to take part in this offer.
- Only one test, Seekshire or GGPLD 50K can be ordered for each animal.
- **Seekshire:** The cost per animal nominated for this upgrade offer is **\$11.00** (gst inclusive) per animal tested using Seekshire.
- **GGPLD(50K):** The cost per animal nominated is **\$27.50** per test.
- ***These discounted prices apply for this transitional offer period only.***
- Additional **stand-alone** tests including Horn/poll, PHA, BD1, BD2 and colour are not included in this DNA upgrade discount offer.

SELECTING ANIMALS TO BE NOMINATED FOR RE-TESTING.

- **Only include animals that you intend to breed from to enable DNA parent verification of any calves being born in the future.**
- Testing of your active bulls and stored semen would be advisable.
- Owners of **multiply owned bulls** should discuss who is responsible to SNP test those animals and the nominated only person should include the animal on their list.
- **Retrospective testing on antecedent animals or retired stock is not required and will have no value.**

NOTE: SNP testing of animals is not mandatory at this time. If you choose to wait until a later date when you want to DNA calves you can do that. Please keep in mind the cost of upgrading in the future will be significantly higher.

DCAI is meeting the cost of testing all **Accredited and Approved AI Sires** listed on the DCAI bull catalogue where samples are still available. If you have stored semen from these bulls **please do not include** these on your list.

NOMINATING ANIMALS TO BE DNA UPGRADED TO SNP

- Members must submit the list of any animals to be re-tested under the introductory scheme on or before December 23rd. The earlier you get them in the more expedient the process will be.
- **Nominations must be submitted to the DCAI Registrar (Janelle Johnson)**
- Nominations must be submitted on the form provided with this notification. The form is also available on the DCAI website as a downloadable document in PDF and Excel formats. The form is located under DCAI Documents and Forms or by using the link on the Home Page
- Forms can be emailed, posted or faxed to the DCAI Registrar at LBC (**Note: DO NOT send forms or test requests for this upgrade to Geneseek - they must be sent to the DCAI Registrar**)

LEVELS OF TESTING

Sarah Buttsworth of GAA has advised that the SNP test most relevant to most DCAI Dexter Breeders is the Seekshire.

This provides the necessary information to enable parent verification of any calves being born in the future.

The next would be the GGPLD(50K). This includes all of the information of the Seekshire and significant amount of genetic information including horn and poll, some colour markers making testing for these traits much cheaper in the long term.

Stand-alone tests for PHA and Chondrodysplasia (BD1 & BD2) are available as are tests for some coat colours and Horn/Poll. Some of these are included in discounted bundling and add-on options listed in the new DCAI Price Schedule.

Stand-alone tests can be used for animals DNA profiled with Seekshire & GGPLD-50K

Stand-alone tests, add-on tests and bundling are not available in conjunction with the transitional discount testing options being offered. These can be ordered separately at the DCAI List price

Select ONLY ONE TEST per animal - Seekshire or GGPLD (50K) - NOT BOTH

PROCESSING and BILLING

- When the Registrar receives your list of nominations the information will be collated into a list with all other nominations.
- The completed list will be sent by LBC to Geneseek.
- Geneseek will assess the list and schedule a time frame for testing all the Dexter nominations.
- The **normal turnaround time will not apply** as Geneseek are going through this process will all breeds in order to transition to the new testing.
- Completed test results will all be sent to LBC.
- The Registrar will forward the results to you as soon as is practicable after she receives them.
- An invoice will be sent to you for all animals nominated by you for testing.

DNA TESTING - HOW TO UPGRADE

SELECTING ANIMALS FOR SNP UPGRADE TESTING

ONLY List: Current Breeding Animals that:-

- Have previously been DNA/PV profiled;
- Are currently active or that have/ or will have calves that you want to DNA/PV to in the future
- Are animals you currently own

DO NOT List Animals that:-

- are no longer breeding.
- you no longer own
- antecedants (Parent - Grand Parent). Antecedant testing has no value in this case
- that have not been DNA/PV tested before - this is an upgrade not new profiling.

CHOOSING THE RIGHT SNP TEST

Two tests are available during this upgrade period. The following will assist you in choosing which is right test for your animals. You only need to select one test per animal.

SEEKSIRE: For animals that:

- You want to be able to DNA/PV calves to in the future
- That have been tested for Chondrodysplasia and PHA in the past or have a free by inheritance status
- That you do not intend testing for multiple additional traits or conditions in the future

Note: This test would be suitable for most animals, particularly those who already have a tested or free by inheritance status for PHA & Chondrodysplasia and /or where applicable have had polling or colour tests done previously.

Animals DNA profiled with Seeksire can be tested for Chondro, PHA and some other genomic traits using at any time using stand alone tests. These will be available if you decide they are required in the future.

Seeksire: Upgrade Price: \$11.00 gst inclusive. (Including DCAI subsidy)

GGPLD SNP (50K): For animals that:

- You want to be able to DNA/PV calves to in the future; and
- You may want to have tested for multiple traits or conditions in the future

Note: GGPLD (50K) tests for many more markers than seeksire including PHA, Chondro BD1, horn/poll, some coat colour and more. It enables cost effective testing of additional genomic conditions and traits using add-on tests. GGPLD (50K) does not automatically give you results for Horn / Poll or colour - these tests would have to be ordered separately.

GGPLD SNP (50K) Upgrade Price: \$27.50 gst inclusive. (Including DCAI subsidy)

NOMINATING ANIMALS FOR UPGRADE

- Use the form provided with this notice. The Excel Eform has been attached along with a PDF version. These are also available on the DCAI website.
- Fill in your details
- List the animals you want included. Be sure to include all required animal details
- Select the test required for each animal. **Select only one test per animal.**
- Submit the form by email to the DCAI Registrar. It is preferred that you use the Excel EForm sent as an attachment to this notification. If you are submitting test nominations by surface mail please allow for postal delays and get it posted early. DCAI nor LBC are responsible for nominations being late as a result of surface mail delays or other delays outside of our control.

An updated Q&A section and other information pertaining to SNP Upgrade has been included on the following pages.

The DCAI price list and information for DNA testing after the upgrade will be included in the Dexter Bulletin

DNA UPGRADE - Q&A

Is the change to SNP DNA testing only for Dexter Cattle or does it apply to all breeds?

It affects all breeds including Dexter and all breed societies are going, or have gone, through the upgrade process.

Members wanting to upgrade animals that have already been DNA tested can do so using the Upgrade discount offer. Forms are on the DCAI website.

Do I have to have any of my animals upgraded to the SNP DNA profile?

No. It is not mandatory to upgrade any animals if you do not want to. The transitional price being offered is only in place for this short period to assist members that may want to upgrade animals.

You can upgrade the DNA of animals at any time if and when you have a calf of that animal DNA / PV tested. Tests will be at DCAI List Price.

Orders for animals to be upgraded to SNP tested during the upgrade discount period go directly to the Registrar and can be emailed, posted or faxed.

If I upgrade animals to SNPs will they lose their Free by inheritance status on the DCAI herdbook?

No. Upgrading will not change the free by inheritance status already established.

If I upgrade will the Parent Verification I have still be valid?

Yes. The upgrade will only record the SNP markers for future reference. The Parentage verification is already established.

If I have MIP DNA tests done on calves now will I have to retest later?

If an animal is MIP tested (the old DNA testing) any calves from that animal may not be able to be parent verified and the parent animal may need to be retested using SNPs in the future.

It will be more cost effective to nominate your breeding animals for SNP testing at the discounted rate before 23rd December and then DNA your calves using SNPs.

Is DNA/PV going to cost more with SNP?

NO. The price for the DNA /PV using SeekSire is slightly cheaper than what you were paying for MiP. The DNA /PV test will show as - SeekSire Parentage (500+ SNP) \$33.00

For SeekSire Parentage Verification in the future, all nominated sires and dams must have a compatible SNP profile.

Which of my animals are eligible for the upgrade?

Active breeding animals that you own that have already been DNA tested through DCAI.

GAA can only upgrade test animals

- If they have enough tail hair left on file; and
- if they can extract enough DNA from the animal.
- If the animal was tested through DCAI. Privately tested animals cannot be included.

NOTE: New samples are not eligible for upgrade testing.

Can I have animals upgraded in the future?

Yes. You can upgrade your animals to SNPs at anytime in the future using the seeksire or SNP ARRAY 50K options on the DCAI price list.

If I Choose GGPLD 50K do I also need seeksire?

No, you only need one or the other to enable calves to be Parent verified in the future.

UPGRADING TO SNP

DCAI needs to supply Geneseek with the details of all the animals nominated for SNP upgrade testing.

Members will need to supply the list of their current active animals they need tested to LBC by the 23rd December 2017.

Members can choose to have their current active breeding animals DNA upgraded to SNPs during the discount period using either of the following options:

SEEKSIRE: The cost per animal nominated for this upgrade offer is \$11.00 (gst inclusive) per animal tested using SeekSire.

Suitable for DNA/PV to future calves and some additional stand alone testing.

GGPLD 50K: The cost per animal nominated is \$27.50 GST inclusive per test.

Contains all the information of SeekSire and additional markers to enable future testing of specific traits. Suitable for animals that you may want to test for additional traits using the add-on options in the future.

SUBMITTING YOUR LIST FOR UPGRADE TESTING.

Only list active breeding animals you may want to DNA/PV calves to in the future.

Select one test per animal only.

Please use the form provided. The form for upgrading animals can be downloaded from the DCAI website - DCAI Documents and Forms section, or by using the link on the home-page, until December 23rd.

PLEASE: submit your upgrade test order as early as possible to enable the Registrar to process and collate the information.

You are urged to submit application electronically using the Excel Eform attached to this notification. This will assist the Registrar in collating the information into the correct format.

DCAI can not be responsible for delays in surface mail delivery so emailing your nominations is by far the better option.

Submit nominations to:

DCAI REGISTRAR

C/- LBC

E: janelle@lbcentre.com.au

Phone: 02 4232 3333

Fax: 02 4232 3350

Post to: PO Box 189, Kiama, NSW, 2533, Australia

DNA TESTING - UP GRADE TEST REQUEST

DEXTER CATTLE SNP GENOTYPING - UPGRADE APPLICATION FORM - Valid Until December 28 2017



Name:	
Address:	
Breed:	Herd Prefix:
Date:	ABN:
Ph:	Mob:
Email:	

BILLING DETAILS if different from above

EMAIL: AN ELECTRONIC COPY OF THIS FORM TO Dexter Cattle Australia Inc DCAI C/- DCAI Registrar - Janelle Johnson - janelle@lbccentre.com.au
 or POST a printed Copy to: DEXTER (DCAI) C/- Livestock and Business Centre
 PO Box 189, Kiama, NSW, 2533, Australia

Select 1 Test per animal only						
Animal Name (Including Herd Prefix)	DNA Case Number	Animal ID/Reg	SEX M / F	D.O.B.	SeekSire (\$11.00 GST Inclusive)	GGPLD (\$27.50 GST Inclusive)
SAMPLE Kalinda Angus	6681	80006	M	14/10/1988	✓	