



DOGS
QUEENSLAND
DNA PROFILING
for Parentage

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DOGS QUEENSLAND DNA PARENTAGE VERIFICATION

Since 01/01/18, all Litter Applications submitted with puppies to be registered on the Main Register, must be accompanied with a DNA Parentage Verification Report.

In line with the ANKC Ltd protocol for DNA testing, DNA collection for the Sire, Dam and offspring must be performed by an approved independent collector. Identification of the dog by microchip or unique tattoo is required and it must be verified by the approved collector at the time of DNA collection and recorded on the appropriate form.

Transfers from the Limited to Main Register, where the dog was mated after 1 January 2018, would similarly have to be accompanied with a DNA Profile for Parentage.

DOGS QUEENSLAND PREFERRED DNA PROVIDER - MASSEY UNIVERSITY

Simplifies the DNA process and enables all members (regardless of computer skills) to easily place an order with Dogs Queensland for parentage.

ABOUT MASSEY UNIVERSITY

- Massey are an independent laboratory with over 32 years' experience in parentage verification.
- Dogs Queensland will retain ownership of the canine database, while Massey will manage the data on behalf of our members.
- Massey's work with Dogs NZ, who are leaders in the canine health field, has enabled them to streamline the Canine testing process.
- Massey have been genotyping over 40 000 samples per year with capacity to more than double this amount.
- Massey are working with Weatherby's International to expand the tests that can be offered to their clients. This partnership strengthens the technical and scientific expertise for this dynamic undertaking.
- Dogs Queensland's members that need additional breed specific disease or colour testing can have these tests performed via the Massey University partner lab at a competitive price.

PROCESS FOR LITTER REGISTRATION WITH DNA PARENTAGE TESTING USING MASSEY UNIVERSITY

1. Identify an approved Dogs Queensland Massey collector by clicking on the following link ([Dogs Queensland, Massey University DNA Testing](#)) (this will take you to the DQ website where we have our approved collectors listed), or contact Dogs Queensland to have your **DNA SAMPLING KIT** posted directly to you for use with your qualified Veterinarian (all veterinarians are authorised collection agents).
2. Once you have identified a local collector, contact them, and organise them to complete the DNA collection on your pup/s.
3. SUBMIT **DNA SAMPLING KIT** to Dogs Queensland via the provided pre-paid envelope.
The Kit includes
 - a. DNA Sampling Kit includes SWABS &/or Hair Samples, as well as the DNA Approved Collection Method paperwork for puppies and Sire and Dam (if required)
 - b. DQ Litter Registration Application Paperwork including Litter Registration payment or Submit Litter Application via Show Manager (www.showmanager.com.au).

4. Once the DNA Sampling Kit has been received into the Dogs Queensland Office payment will be required.
DNA Profile with Parentage (if required) is \$42.50 per dog/puppy. Payment can be made via credit information on the DNA Collection paperwork, alternatively an email can be sent to the Breeder (or post if requested) with an invoice for DNA testing. This invoice will be payable within 7 days, online or over the phone.
5. On receipt of invoice payment, the sample/s will be submitted for DNA profiling and parentage testing. (At no stage will swabs be submitted for DNA testing without full payment).
6. When the Litter has DNA Parentage Qualification, Dogs Queensland will email the Breeder the Certificates of the DNA Profile and Parentage Qualification, and the Litter will be registered into the ANKC Pedigree database register. The Pedigree and Registration Certificates will be printed, then checked and posted.

PROCESS FOR DNA PROFILING FOR ADULT BREEDING DOGS (Sire and Dam) USING MASSEY UNIVERSITY.

1. Order a DNA Sampling Kit from the Dogs Queensland office, alternatively identify a Dogs Queensland Massey Approved Collector by clicking on the following link ([Dogs Queensland, Massey University DNA Testing](#)) (this will take you to the DQ website where we have our approved collectors listed).
2. Once you have the **DNA Sampling Kit**, arrange to have your DNA sample collected, via a DQ Approved Collector or your Veterinarian.
3. SUBMIT **DNA Sampling Kit** to Dogs Queensland via the provided pre-paid envelope. Once the DNA Sampling Kit has been received in Dogs Queensland Office payment will be required. DNA Profile is \$42.50 per dog. Payment can be made via credit information on the DNA Collection paperwork, alternatively an email can be sent to the Breeder (or post if requested) with an invoice for DNA testing. This invoice will be payable within 7 days.
4. IF THE SIRE OR DAM has already been DNA tested by Orivet, Massey University will retest the DNA sample at no charge – this is only applicable **IF** the Sire or Dam is associated with a Litter Registration using DQ - Massey DNA Services.
5. On receipt of invoice payment, the sample/s will be submitted for DNA profiling. (At no stage will swabs be submitted for DNA testing without full payment).
6. DNA Profile Certificate will be emailed to owner on completion of DNA profile testing and the ANKC database will be updated with the DNA profile.

WHILST MASSEY UNIVERSITY IS THE PREFERRED DNA PARENTAGE PROVIDER, OUR MEMBERS CAN CHOOSE TO USE ANY DNA TESTING COMPANY OF THEIR CHOICE.

PROCESS FOR LITTER REGISTRATION WITH DNA PARENTAGE TESTING USING A PROVIDER OF YOUR CHOICE e.g. Orivet or Animal Network

1. **SUBMIT** Litter Application to Dogs Queensland.
The Litter Application can be submitted via Show Manager, Australia Post, Email or in person at the Dogs Queensland office.
Litter Application **MUST** include
 - a. Dogs Queensland Litter Registration Application Paperwork including Litter Registration payment.
 - b. DNA Parentage Verification Certificates (from your own DNA provider)
 - c. Additional paperwork required for the Litter Registration. Examples of additional paperwork include – Limited Register forms, Partnership agreements, Fit for Breeding Certificate.
2. **PROVIDED** there is no additional information required to process the Litter- the Litter will be registered into the ANKC database, including the DNA qualification.
3. The Pedigree and Registration Certificates will be printed, then checked and posted.
4. Members using Orivet need to ensure that the DNA Parentage Verification certificates have been requested for their puppies. These can be requested in your Orivet account via the BREEDER TOOLS heading on the right-hand side of the screen ---> open PARENTAGE REQUESTS heading you will then be directed to select the DAM, SIRE and the Offspring, and click on SUBMIT REQUEST
5. Alternatively, members are able to complete the PARENTAGE REQUEST FORM and email directly to Orivet. ([LINK TO FORM](#)).

FAQ

WHAT TYPE OF DNA SAMPLE IS REQUIRED?

A DNA Sample can be extracted via the following ways

1. Hair with roots (Preferred, most successful & can be stored by Massey University for later tests).
2. Buccal Swab
3. Empty Semen vials
4. Blood

WHAT IS APPROVED COLLECTION METHOD process – all DNA samples submitted must be collected in this way.

An Approved Collection Method is used to verify a positive identification of the dog that is getting DNA tested via the microchip number.

There are two processes to qualify for Approved Collection Method

1. **Positive Identification Process** – dogs must all have their identification positively identified via microchip verification.
2. **Independent Collector** – must be a Veterinarian or a DQ Massey Approved Collector.
An Approved Collection Method is used to verify a positive identification of the dog that is getting DNA tested via the microchip number.

WHY HAVE WE CHANGED THE PREFERRED DNA TESTING PROVIDER?

The decision to change the DNA preferred testing provider was made to simplify the process therefore making it easier for Members and Dogs Queensland administration to manage.

The new system enables all members (regardless of computer skills) to easily place an order with Dogs Queensland for parentage.

MY BREEDING STOCK HAS ALREADY BEEN DNA PROFILED USING ORIVET SNP?

Massey University uses STR microsatellite Canine Genotypes Panel for DNA Parentage Verification. These markers are included in the “core panel” of loci recommended by the Applied Genetics Committee of Companioning Animals of the International Society for Animal Genetics (ISAG)

ORIVET SNP technology is not compatible with STR.

Therefore, any Sire or Dam that have been tested using SNP technology, will be required to have an STR profile performed by Massey University which will be **Free of Charge if the Sire or Dam is associated with a Massey DNA Litter Application**. Dogs with ISAG STR parentage profiles from other labs can be used for parentage verification by Massey, by providing a copy of the STR profile at the time of submission.

WHO OWNS THE DNA PROFILE?

The Registered owner of the dog has legal ownership of the DNA profile results.

By signing the Sire Declaration and/or the DNA Collection Form, the Registered owner of the dog gives permission to Dogs Queensland to have full access to the DNA profile information for the means of Parentage Verification testing only.

HOW DO I ORDER DNA SAMPLING KITS?

DNA SAMPLING KITS are available free of charge from Dogs Queensland or a Dogs Queensland Authorized Collection Agent. (Click here to order DNA Collection Kits)

If you are planning to have your Litter DNA tested at your Vet, please order at least 3 weeks before the scheduled Vet appointment to ensure they arrive in time via Australia Post.

DNA SAMPLING KITS, DNA Approved Collection Method Forms and Litter Registration Application.

To streamline the Litter Registration process the DNA Samples, DNA Approved Collection Method Forms and Litter Registration Application should all be sent in to Dogs Queensland at the same time, in the same envelope.

This will enable the Dogs Queensland Litter processing team to process the DNA and Litter Registration without any delays (pending all Litter Registration paperwork provided is complete).

WHAT DO I DO IF I WANT A FULL BREED PROFILE OR FURTHER TESTING

Additional Disease testing is readily available via Masseys partner lab VHL.

Please refer to the following documents

[DQ – Massey DNA Breed Disease Testing](#)

[DQ - Massey Single Gene Disease testing](#)

Contact Julana Akers in the Dogs Queensland administration office via julana@dogsqueensland.org.au for additional information regarding DNA Disease testing.

**** Please note that Dogs Queensland only require DNA Parentage Verification at this point in time.**

DO I HAVE TO DNA PARENTAGE TEST DOGS/PUPPIES ON THE MAINS AND LIMITED REGISTER?

As previously advised, only dogs to be registered on the Main Register are required to have the application for registration accompanied with a DNA Profile for Parentage – i.e. DNA Profiles of the Sire, the Dam and all puppies.

Similarly, for transfers from the Limited to Main Register, where the dog was mated after 1 January 2018, the transfer would similarly have to be accompanied with a DNA Profile for Parentage.