

GeneMark® Genomics Requirements



Help us to help you

To make sure we have all the information we need to process your results, please ensure you complete the below before you send your samples in.

All cows are recorded in MINDA® and have calving dates recorded

The New Zealand Dairy Herd Test Standard regulations requires all dams that have calved to have a recorded calving date. You can record your calving dates in MINDA by recording the date the dam calved and "Reared without birth ID." When GeneMark results are finalised, MINDA will update the "Reared without birth ID" to "Reared" and add the calf's birth ID. If these criteria have not been met by the time parentage results are finalised, GeneMark will be unable to upload your parentage results to MINDA.

All calves must be recorded in MINDA

If you are opted in with LIC as your NAIT information provider, you can register your calves through one of the following ways:

1. Record your calves against dams in MINDA or in the MINDA App within 7 days of tagging. You will be required to enter dams' calving date (DOB for calf), sex, fate, and the calves birth ID.
2. LIC will create a record for your calves in MINDA on your behalf. [Click here](#) and follow the instructions to complete the GeneMark calf registration form and template. Please include all birth identification tags used, the birth month, year born and the location of birth.

Animals registered directly with NAIT which are later recorded in MINDA can cause registration information from LIC to fail to update with NAIT, and an error notification will be emailed to you. To ensure your MINDA animal records are up to date and to avoid any discrepancies, we encourage you to use MINDA and the MINDA App to record your animal information in the first instance. For more information regarding NAIT please visit www.ospri.co.nz

All bulls used over herd are recorded

- This includes all natural mating & AI bull codes/birth IDs, whether G3 profiled or not.
- Ensure any last minute changes of AI straws used are recorded correctly.
- Record all natural mating bulls in MINDA as being on farm during mating, if you did not record the birth ID of the natural mating sires used in the herd you will need to supply a list of these identifications either on or attached to the submission form for us to be able to include them in the parent matching. If these sires do not have a G3\GEv profile a sample for these will also need to be provided.

Sending in samples

- Ensure you use Wet TSU's for GeneMark Genomics and A2 testing.
- Separate different test request E.g Dams, sires & youngstock- place cards and samples for each test type in separate bags.
- When sampling, ensure there is only one tissue sample in each vial, if there is two and you are certain they are from the same animal write on the card "MT- OK".
- Make sure you fill out all details along the side of the card so our teams know what type of samples you have sent in E.g Dams or youngstock, Birth ID's or cow management tags. Date of sampling is also very important.

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Samples have correct animal IDs

- E.g. official birth IDs for youngstock and management numbers for cows.
- Unrecorded tag numbers cannot be processed and cause delays.

If multiple herds/locations are owned, calves are recorded to their correct birth location

- Calves must be recorded as being born into the participant location that their dam was recorded as calving in.
- If these birth/calving locations do not match, the result will error and remedial work will need to be completed causing delays to results.

Double check submission forms

- Make sure testing requirements have been correctly selected -delays are caused when these requirements are unclear or don't match your booking and need to be questioned. If unsure please phone 0800 436 362 and we will talk through your testing requirements.
- Make sure your submission form is signed before sending it in - we're unable to release results until a signed submission form is received.

Embryo transfer (ET) animals

- All must be recorded correctly with a donor dam, sire and recipient dam.
- ET Certificates must be correctly entered and recorded prior to submitting samples.
Any discrepancies between recorded ET information and DNA verification will be queried with you - we do not change records without confirmation to do so.

BVD testing

- You can combine a BVD test with your GeneMark Genomics test.
- How old your animals are will determine whether you need to supply one tissue sample in a wet TSU (animals older than 35 days) or two tissue samples, one in a wet TSU (for GeneMark Genomics testing & A2) and one in a dry TSU (for BVD testing- animals younger than 35 days).