

Courier Address: Genomnz, AgResearch, Invermay Agricultural Centre, 176 Puddle Alley, Mosgiel, 9092, New Zealand

Goat DNA Submission Form

Submitter

Name:
Address:
Phone:
Mobile:
Email:

Owner

Name:
Address:
Phone:
Mobile:
Email:

Invoice to: Owner / Submitter / Other (Please specify):

Test/s Required – Please tick and indicate how many samples you are submitting for each test

- ☐ **DNA profile** – genotype stored on our database for reference, basis for all parentage analysis.
- ☐ **Parentage Analysis** – DNA match, Sire/Dam match, Pedigree verification – **please see reverse**.
- ☐ **Identity test** – determine if a sample comes from a particular animal that is already SNP profiled.
- ☐ **Gene Test** – Please specify: ☐ Alpha S1 Casein ☐ PM-1 (DGC Supplier Number required): _____

Sample Type/s

- ☐ Wet TSU ☐ Dry TSU ☐ Semen

Results

Please deliver the results by: ☐ Email ☐ Post

To my knowledge, these samples come from healthy animals (international samples only) ☐

PLEASE REFER TO THE REVERSE OF THE FORM.

The information on the reverse of the form must be read carefully to ensure all submission requirements and testing conditions are met. **We will not accept samples unless accompanied by the official submission form signed by the submitter.** An electronic file of the animal and mating information is necessary and should be emailed to Genomnz at the same time as the samples sent. Please write any specific instructions for the laboratory in the space below.

Instructions for Genomnz

ACKNOWLEDGEMENT

The Submitter acknowledges and agrees that the samples are submitted on the condition that all profiles/genotypes derived from the samples will be incorporated into the GenomNZ database and may be used for the verification of the parentage of any animal at any time. The data both new and historical may be used for research purposes by AgResearch and GenomNZ. GenomNZ retains ownership of all information and all intellectual property on methods used for the processing and analysis of samples. GenomNZ will store samples and/or extracted DNA for a period of 18 months (unless destroyed during the DNA extraction process which can happen). GenomNZ does not claim ownership of any samples and genotypes submitted for testing. Samples will be released if requested (in writing) to the submitter or the owner as identified on the submission form. GenomNZ will maintain client confidentiality at all times. The submitter verifies that the animal information submitted on this form is true and correct.

Submitter signature _____ **Capacity of signatory** _____
Date / /

Where this form is signed on behalf of a trust, company or other organisation please state the capacity of the person signing

Terms, Conditions and Requirements

Information requirements (submit electronically and use the Genomnz Reference Template where possible)

- Complete animal details for all of the samples must be submitted prior to, or with, the samples being received by Genomnz
- Animal information should include all the required information as indicated on the template provided by Genomnz. A template can be downloaded from our website or requested by emailing genomnz@agresearch.co.nz

Sample requirements

- Ensure samples are clearly labelled with the animal tag details – they must all have a unique identifier
- If more than one sample is submitted for a single animal Genomnz will process all samples to ensure they are the same animal and the client will be charged for all samples

Any work undertaken where the above requirements have not been met is done so at the clients own risk. Processing will not begin until all necessary information has been provided by the client or unless the client has acknowledged that Genomnz may not be able to deliver complete results and any additional analysis required after initial results are reported will be at the cost of the client.

Genomnz will notify the Customer if it receives samples of inadequate quality (specifying the reasons it considers the samples to be of inadequate quality for testing). If the Customer wishes Genomnz to continue to process such samples, AgResearch shall have no liability whatsoever to the Customer in connection with the testing of any such samples or results thereof.

Samples are often destroyed during the extraction process and Genomnz will only store the DNA from samples until testing is complete after which time it may be destroyed. If you require samples/DNA stored for use in the future please ensure that you contact Genomnz to talk through the requirements.

Testing options and requirements

DNA Profile – basis for all parentage analysis, this should be ticked for bucks and does used in parentage analysis.

Pedigree Verification – verify breeders records, a pedigree is suggested by the client and verified or excluded by the laboratory

DNA Match – determine parents from whole mating or birthing groups, every potential parent must be DNA profiled

Sire/Dam Match – determine sire or dam from a group of all potential bucks/does, less powerful than full DNA match

Identity test – determine if a sample comes from a particular animal that is already on the laboratory database

Submitting samples

Samples should be couriered but can be posted at the customers own risk. It is not advisable to courier samples on Fridays.

- Semen samples do not need to be frozen but do need to be packaged so the straw does not break.
- Tissue samples:
 - Dry AllFlex™ TSU must be kept frozen and couriered overnight
 - Wet AllFlex™ TSU can be couriered overnight at ambient temperature (DO NOT FREEZE THEM)

Additional charges

Additional charges will be incurred by the client for the following activities:

- Additional reports for results or other information held on Genomnz database
- Additional analysis outside of initial testing specifications
 - Client supplies extra information after results are delivered
 - Client requests preliminary results before testing is completed
 - Analysis requested on old orders
 - Analysis required after submission of sires/dams not originally submitted
- Substandard samples to be processed at the clients request
- Sample types such as hair or blood will incur a surcharge in the event they are able to be used

Payment

An invoice will be sent to you once the testing has been completed and the results sent to you. Payment is required on or before the 20th day of the month following the month when the relevant invoice is issued. AgResearch may charge interest on any amount overdue for payment at the rate of 2% per month or part thereof.

Turnaround times

While Genomnz will use all reasonable endeavours to complete the Services, including delivery the results to the Customer within the Standard Delivery Period (or, if the Customer requests, the Urgent Delivery Period) all dates specified for completion or delivery are estimates only.

Any request for urgent services may be declined if Genomnz is unable to carry out this service due to volume, timing and other work commitments. Any services carried out within an urgent delivery period will be subject to an additional fee (per sample).

Goat parentage testing

Due to the nature of the shift to the genotyping-by-sequencing (GBS) method, Genomnz is only able to reliably perform parentage analysis on rare goat breeds if at least 100 samples of that breed have been genotyped (total, not necessarily from a single order). This is to ensure Genomnz has a suitably large “baseline” genetics to be able to distinguish individual animals.