Helical DNA Test Request - Focus Genetics
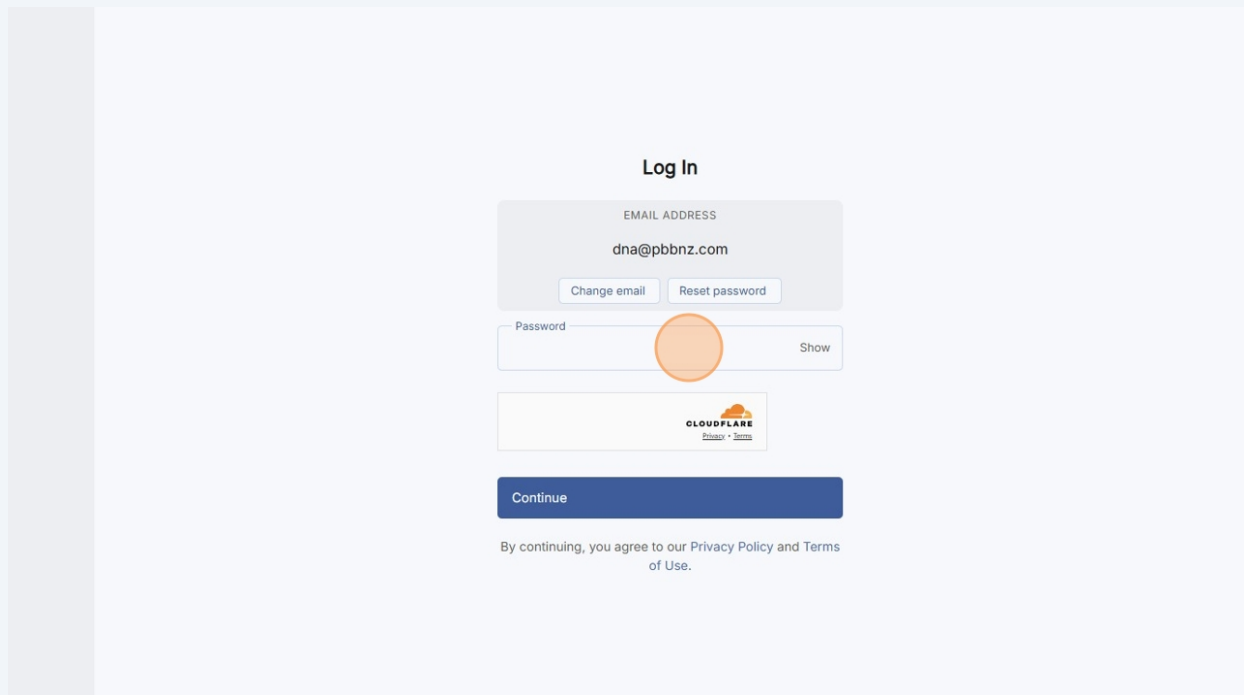
1   https://app.helicalco.com/auth/login

2   Login using the email address associated with your Focus Genetics membership and click "Continue"
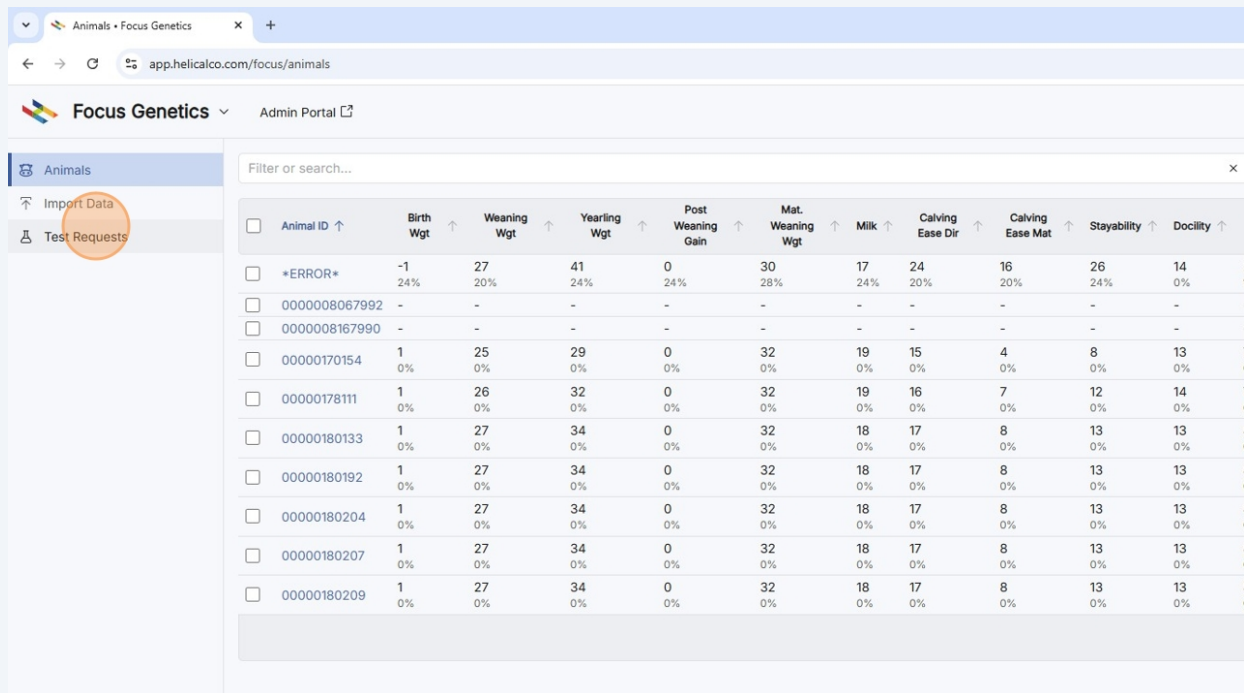
3 Enter your Helical password and click "Continue"

4 From the main menu, click the "Test Request" option

5 A list of all existing Test Requests for your herd will display. Click "New Test Request" at the top right of the screen, to submit a new request
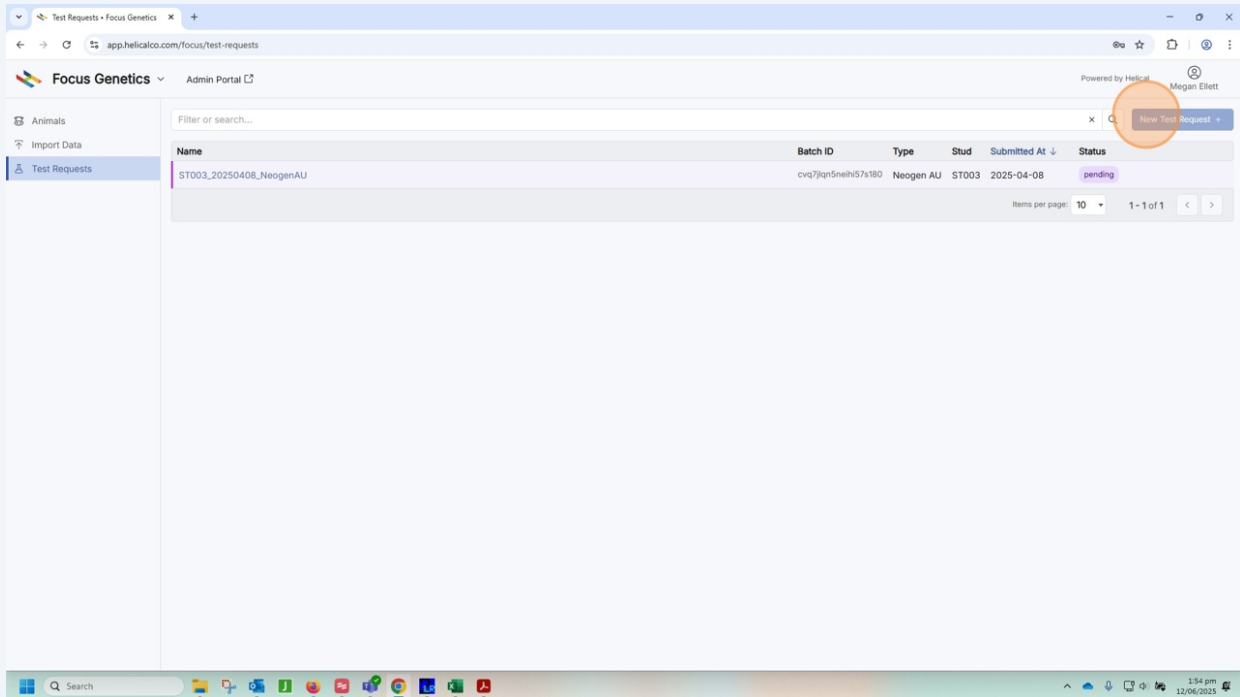
6 Select the "Request Type" that you wish to submit by clicking the drop down arrow (currently there is only one option to submit through PBB DNA service provider Neogen AU)

7 Select the relevant Focus herd for the "Stud" field (as the Admin login is being used for this video, all studs are visible)

New Test Request

① Upload Samples   ② Add Ons   ③ Parent I

Request Type

Neogen AU

Stud

None

Filter... ×

1455
Waikite

19473
Kapiro

19481
Duncraigen

19499
Rotomahana

ANGUS

	Animal Registration*		Animal Name*		Sex*
	Enter Animal Registration...		Enter Animal Name...		Enter Sex...

---

8 The test request reference will generate a default file name, based on your stud, the date and name of lab. You can choose to add an additional reference such as *2024 calves*

New • Test Requests • Focus Ge ✕   Neogen AU • Settings • Focus G ✕   +

← → C   app.helicalco.com/focus/test-requests/new

Focus Genetics ⌄   Admin Portal ⬈

☷ Animals
⤒ Import Data
⚗ Test Requests

New Test Request

① Upload Samples   ② Add Ons   ③ Parent I

Request Type

Neogen AU

Stud

19499

Test Request Reference

19499_20250612_NeogenAU

Samples

Filter...

☐	Barcode*		Type*		Animal Registration*		Animal Name*		Sex*
	Enter Barcode...		Enter Type...		Enter Animal Registration...		Enter Animal Name...		Enter Sex...

9   Click "Load Data" button to start loading the details of your order

Megan Ellett

② Add Ons   ③ Parent Lists   ④ Summary

Load Data	Clear Table		View:		0 rows

ype*	:	Animal Registration*	:	Animal Name*	:	Sex*	:	Date Of Birth	:	Possible Sires
nter Type...		Enter Animal Registration...		Enter Animal Name...		Enter Sex...		Enter Date Of Birth...		Enter Possible Sires...

10   There are various ways to load all required details of the animals being tested including copy and paste, upload a file, select animals from your ownership list or via a stockbook request

New • Test Requests • Focus Ge   ✕   Neogen AU • Settings • Focus C   ✕ | +

← → C   app.helicalco.com/focus/test-requests/new

Focus Genetics ∨   Admin Portal ⬈

Animals
Import Data
Test Requests

New Test Request

① Upload Samples   ② Add Ons   ③ Parent l

Request Type
Neogen AU

Stud
19499

Test Request Referen
19499_20250612_N

Samples

Filter...

☐ Barcode*

Enter Barcod

Copy and Paste	Upload File	Select Animals	Stockbook Request

Copy and paste cells from spreadsheet

11 The "Select Animals" option is the recommended option to save you time and avoid having to manually enter details. See example below

12 Animals in your ownership can be filtered by year of birth etc

13 Other filters available include the following
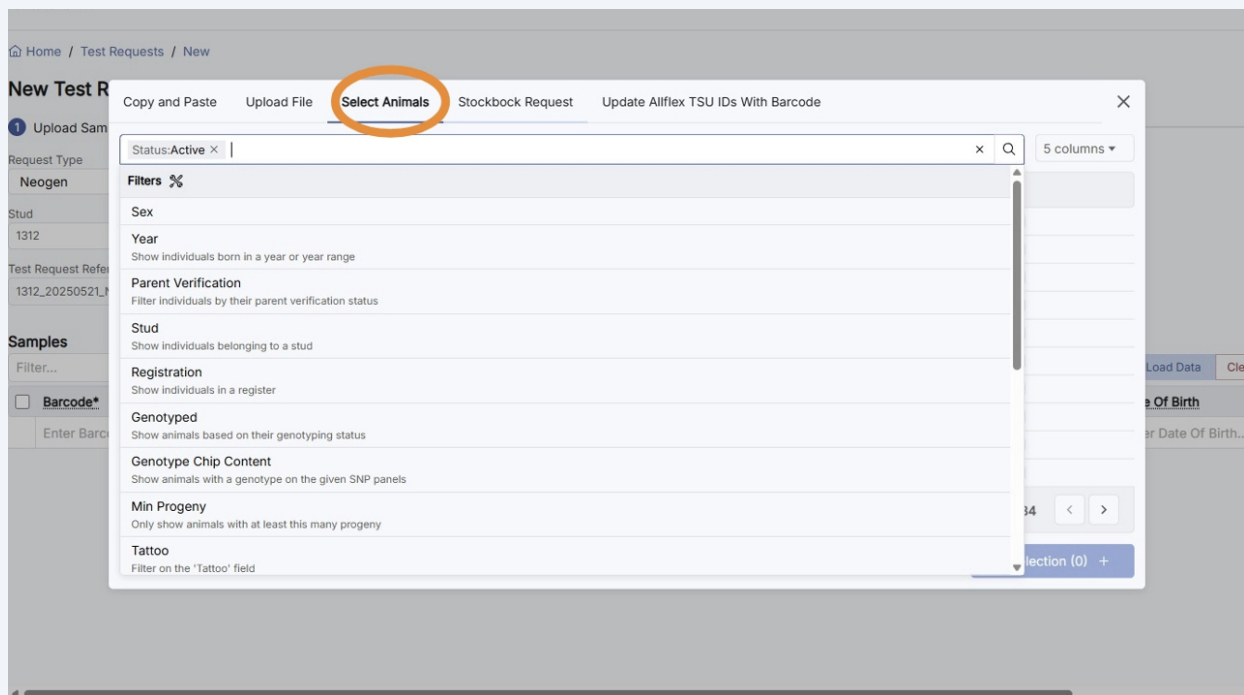
14 Click to select which animals are to be included in the order

To bulk select animals, click the tickbox at the very top of the animal list. This will select all animals in the list, based on the filter you have applied
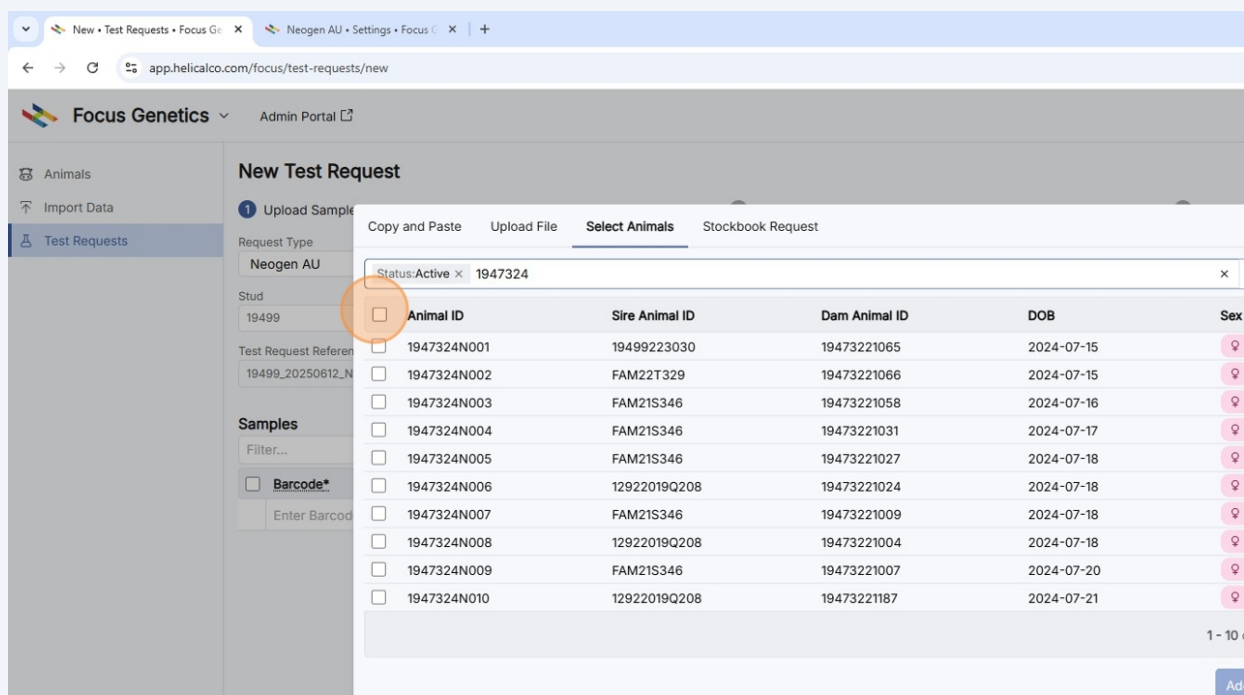
15 Click "Add Selection". The total number of selected animals will be displayed

7324						5 columns ▾
19499223030	19473221065	2024-07-15	♀ cow			
FAM22T329	19473221066	2024-07-15	♀ cow			
FAM21S346	19473221058	2024-07-16	♀ cow			
FAM21S346	19473221031	2024-07-17	♀ cow	Load Data	Clear Table	↓ View: ⊞ ≡ 0 rows
FAM21S346	19473221027	2024-07-18	♀ cow	Of Birth		⋮ Possible Sires
12922019Q208	19473221024	2024-07-18	♀ cow	Date Of Birth...		Enter Possible Sires...
FAM21S346	19473221009	2024-07-18	♀ cow			
12922019Q208	19473221004	2024-07-18	♀ cow			
FAM21S346	19473221007	2024-07-20	♀ cow			
12922019Q208	19473221187	2024-07-21	♀ cow			

1 - 10 of 485 < >

Add Selection (485) +

Save and Exit   Next

---

16 Complete all required fields (that have not already been auto-generated) such as TSU barcode and sample type

TSU barcode numbers will need to be typed or scanned into the field

🐾 Animals	New Test Request		
↥ Import Data	**1** Upload Samples	**2** Add Ons	**3** Parent I
🧪 Test Requests	Request Type		

Request Type
Neogen AU

Stud
19499

Test Request Reference
19499_20250612_NeogenAU 2024 calves

Samples

Filter...

☐	Barcode* ⋮	Type* ⋮	Animal Registration* ⋮	Animal Name* ⋮	Sex*
☐			1947324N001	Kapiro N001	Cow
☐	Barcode is required		1947324N002	Kapiro N002	Cow
☐			1947324N003	Kapiro N003	Cow
☐			1947324N004	Kapiro N004	Cow
☐			1947324N005	Kapiro N005	Cow
☐			1947324N006	Kapiro N006	Cow
☐			1947324N007	Kapiro N007	Cow
☐			1947324N008	Kapiro N008	Cow
☐			1947324N009	Kapiro N009	Cow

17 Enter Sample Type

To apply the same Sample Type for all animals in the order (instead of entering each manually) click the box to the left of "Barcode", you then have the option to "Set All" Sample Types

Samples			
Filter...			
☑ Barcode* ⋮	Type* Set All ▾ ⋮	Animal Registration* ⋮	
☑	tissue		
☑	tissue		
☑	tissue		
☑	tissue		
☑	tissue		
☑	tissue		
Enter Barcode...	Enter Type...	Enter Animal Registration...	

18 Once all required fields have been completed, click "Next"

At any stage, you can click "Save and Exit" to save the order details to review and submit later

					Load Data Delete Selected ⤓ View: ⊞ ≣ 485 rows - show 484 errors	
Type* Set All ▾ ⋮	Animal Registration* ⋮	Animal Name* ⋮	Sex* Set All ▾ ⋮	Date Of Birth ⋮	Possible Sires	
tissue	1947324N001	Kapiro N001	Cow	2024-07-15	19499223030	
tissue	1947324N002	Kapiro N002	Cow	2024-07-15	FAM22T329	
tissue	1947324N003	Kapiro N003	Cow	2024-07-16	FAM21S346	
tissue	1947324N004	Kapiro N004	Cow	2024-07-17	FAM21S346	
tissue	1947324N005	Kapiro N005	Cow	2024-07-18	FAM21S346	
tissue	1947324N006	Kapiro N006	Cow	2024-07-18	12922019Q208	
tissue	1947324N007	Kapiro N007	Cow	2024-07-18	FAM21S346	
tissue	1947324N008	Kapiro N008	Cow	2024-07-18	12922019Q208	
tissue	1947324N009	Kapiro N009	Cow	2024-07-20	FAM21S346	

Save and Exit   Next

19 Select what test the animals require by selecting all animals that require the same type of test. To bulk select, click in the box by the Animal ID header, this will select all animals in the order

| Animals |
| Import Data |
| Test Requests |

New Test Request

✓ Upload Samples ────────── ② Add Ons ────────── ③ Parent I

Choose bundle and optional add-ons for your animals.

To choose bundles for multiple animals, select the animals you want to update then choose the bundle from the table header.

The following bundles are available:

- **AngusGS 75K**: includes 75K SNP Profile, Genotype, Parent Verification, BVDV, AM, Developmental Duplications, NH, CA and Alpha-Mannosidosis
- **Simmental 100K**: includes 100K SNP profile, Genotype, Parent Verification, POLL, DL, COAT and TEND
- **Stabilizer 100K**: includes 100K SNP profile, Genotype, Parent Verification, POLL, DL, COAT, TEND, BPA, Developmental Duplications, NH, Alpha-Mannosidosis, Maple Syrup Urine Disease, Idiopathic Epilepsy, Leptin, Myophosphorylase Deficiency and Hypotrichosis

*All pricing is in NZD

☐	Animal ID	Sample ID	Bundle
☐	1947324N001	ZT1234567	⌄
	Total:		

20 Then select the relevant test from the drop-down list of options, for example the Simmental 100K bundle

The individual test price for each animal, as well as the total price of the order, will be displayed (this will be invoiced by PBB at a later date, following completion of the DNA testing). Click "Next"

ur animals.

ect the animals you want to update then choose the bundle from the

Genotype, Parent Verification, BVDV, AM, Developmental Duplications,

ile, Genotype, Parent Verification, POLL, DL, COAT and TEND
e, Genotype, Parent Verification, POLL, DL, COAT, TEND, BPA,
Mannosidosis, Maple Syrup Urine Disease, Idiopathic Epilepsy, Leptin,
trichosis

Sample ID		Cost
ZT1234567		NZ$0.00
	AngusGS 75K	NZ$0.00
	Simmental 100K	
	Stabilizer 100K	

Save and Exit   Next

21 If you only want the expected sire and dam currently recorded against the animals (displayed on the first page) included in parentage analysis, then leave this page blank and click "Next"

If there are additional possible sires and/or dams that you would like included in parentage analysis, please enter them at this stage

This can be done the same way as entering the animal details, including copy and paste, upload a file, select additional parents from your ownership list or via a stockbook request

Once completed, click "Next"

Parentage analysis is run in-house by the PBB DNA team

22 Check and solve any warnings or errors that may appear

New Test Request

Upload Samples ─────────────── ✓ Add Ons ─────────────── ✓ Parent

	Animals
	Import Data
	Test Requests

Stud ID: 19499
Request Type: Neogen AU
Total Samples: 1

Stud Name: Rotomahana
Request Reference: 19499_20250612_Neogen
Total Cost: NZ$59.00

Search...

	Barcode	Type	Animal Registration	Animal Name	Sex	Date Of Birth	Possible Sires	NAIT ID
☐	ZT1234567	tissue	1947324N001	Kapiro N001	♀ cow	2024-07-15	19499223030	982 123825886

- Already genotyped
- Belongs to stud 19473, not 19499

ⓘ **2 warnings found**
Please review the warnings before submitting

Submit Request ✓   Save and Exit

---

23 You will need to select that you agree to the terms and conditions before you submit the DNA Test Request

PBB DNA Terms and Conditions
Please read and accept before submitting your DNA Test Request

I understand and agree
1. That PBB will invoice me following submission of this form, in the next monthly billing cycle, once DNA results have been reported.
2. That I am the legal owner of the sample/s to be tested, have permission to access the sample/s from the legal owner, or I am the owner of the animal from which the sample is derived and have the right to access the sample for the purpose of this DNA testing.
3. That when requesting a DNA test and parent verification, I am paying for the DNA testing of the animal only. A qualified parent verification result is not guaranteed.
4. That when requesting a Genomic profile, I am only paying for the genotyping of the animal. Genomically enhanced EBVs are not guaranteed due to additional quality control checks applied by the Genomic Evaluation provider.
5. That when requesting an existing sample to be retested, there is an increased risk of sample failure due to sample deterioration.

☐ I agree to the PBB DNA Terms and Conditions outlined above *

Submit Request ✓   Save and Exit

24 Once all order details have been double checked and the order is ready to submit, click "Submit Request"

	Barcode	Type	Animal Registration	Animal Name	Sex	Date Of Birth	Possible Sires	NAIT ID
☐	ZT1234567	tissue	1947324N001	Kapiro N001	♀ cow	2024-07-15	19499223030	982 123825886

Stud ID: 19499
Request Type: Neogen AU
Total Samples: 1

Stud Name: Rotomahana
Request Reference: 19499_20250612_Neoger
Total Cost: NZ$59.00

- Already genotyped
- Belongs to stud 19473, not 19499

ⓘ **2 warnings found**
Please review the warnings before submitting

Submit Request ✓   Save and Exit

---

25 The submitted order will now appear in your list of DNA Test Requests, along with the date submitted. Click on the Test Request anytime to view details of the order or samples included

You will also receive email confirmation to your provided email address

Name	Batch ID	Type	Stud	Submitted At ↓	Status
ST003_20250408_NeogenAU	cvq7jlqn5neihi57s180	Neogen AU	ST003	2025-04-08	pending
19499_20250612_NeogenAU_2024 calves	d153cdqn5nent16ouf0g	Neogen AU	19499	2025-06-12	draft

Items per page: 10   1 – 2 of 2

26 The test request will be submitted to PBB DNA for cross-checking. Should the team have any queries, you will be contacted directly

Once the order has been checked and approved by the DNA team, it will be uploaded into the Neogen order system and the samples shipped to the Neogen lab for processing

(i) For support and assistance please contact the PBB DNA team
Phone 063234484 or email dna@pbbnz.com