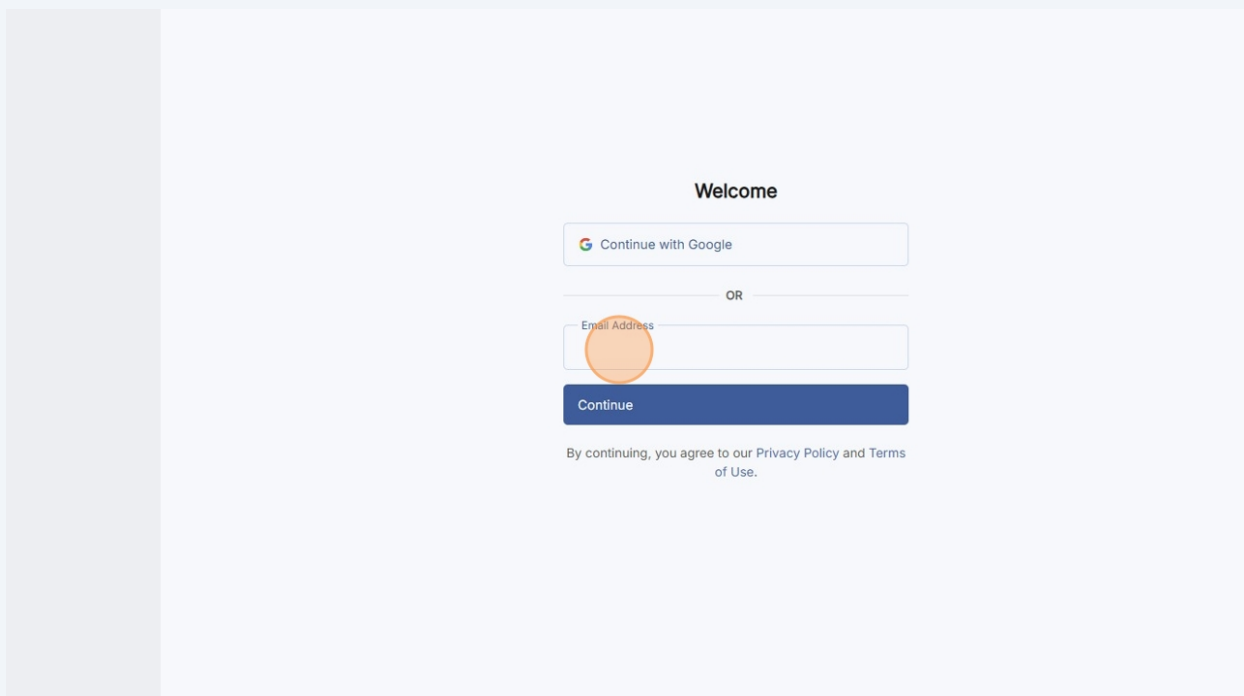


# Helical DNA Test Request - Focus Genetics

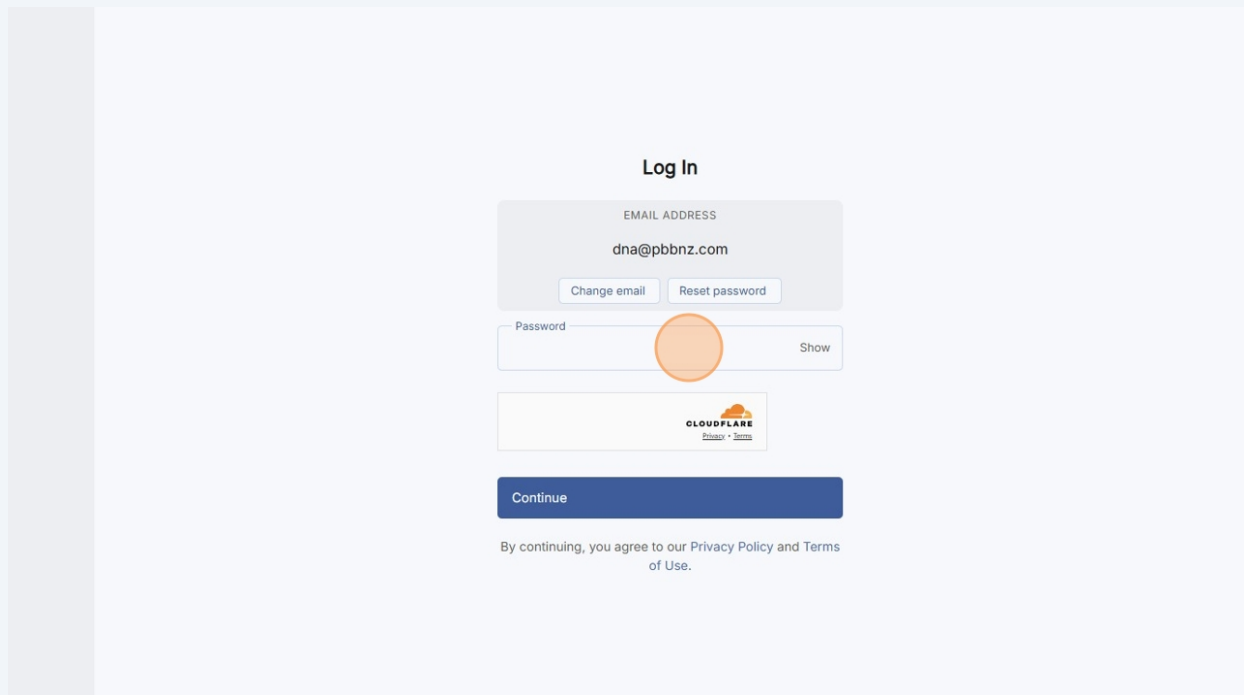
1 <https://app.helicalco.com/auth/login>

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



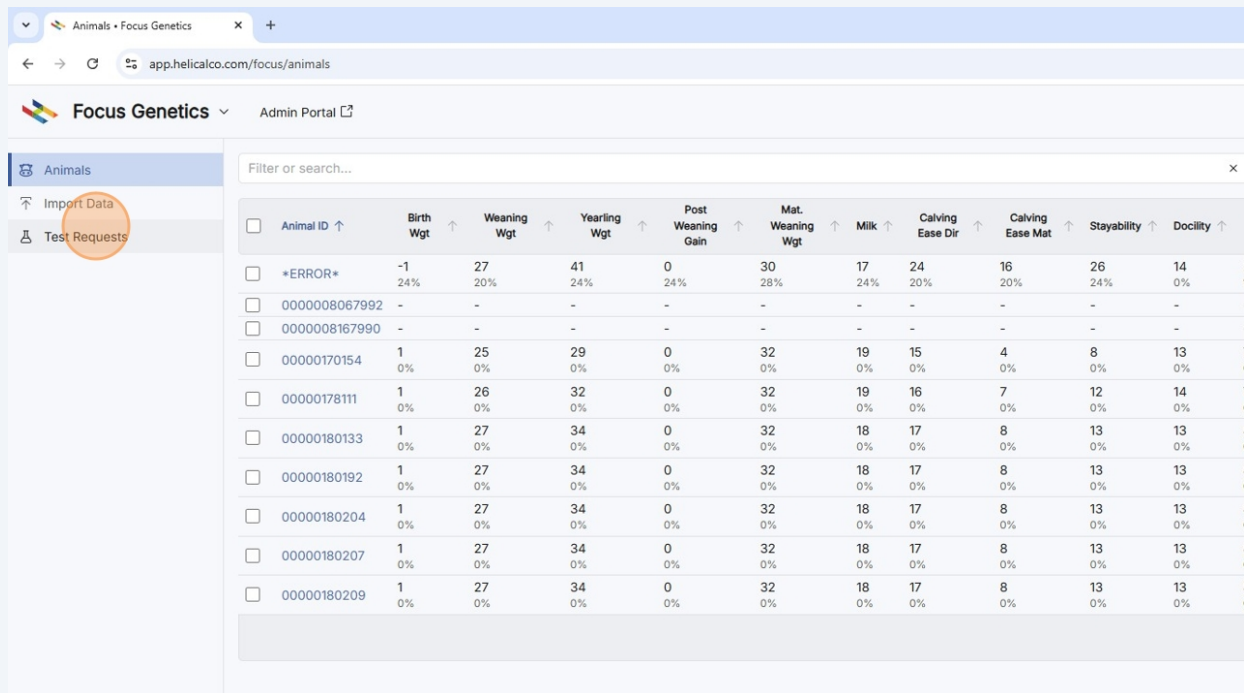
The screenshot shows a login interface with the heading "Welcome". Below the heading is a button labeled "Continue with Google". Underneath this is the text "OR". Below "OR" is a text input field labeled "Email Address". An orange circle is drawn around the "Email Address" label and the input field. Below the input field is a dark blue button labeled "Continue". At the bottom of the form, there is a line of small text: "By continuing, you agree to our Privacy Policy and Terms of Use."

### 3 Enter your Helical password and click "Continue"



The screenshot shows the Helical login interface. At the top, it says "Log In". Below this is a form with an "EMAIL ADDRESS" field containing "dna@pbbnz.com". There are two buttons: "Change email" and "Reset password". Below the email field is a "Password" field with a "Show" button. A Cloudflare logo is visible below the password field. At the bottom of the form is a blue "Continue" button. Below the button, it says "By continuing, you agree to our Privacy Policy and Terms of Use."

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

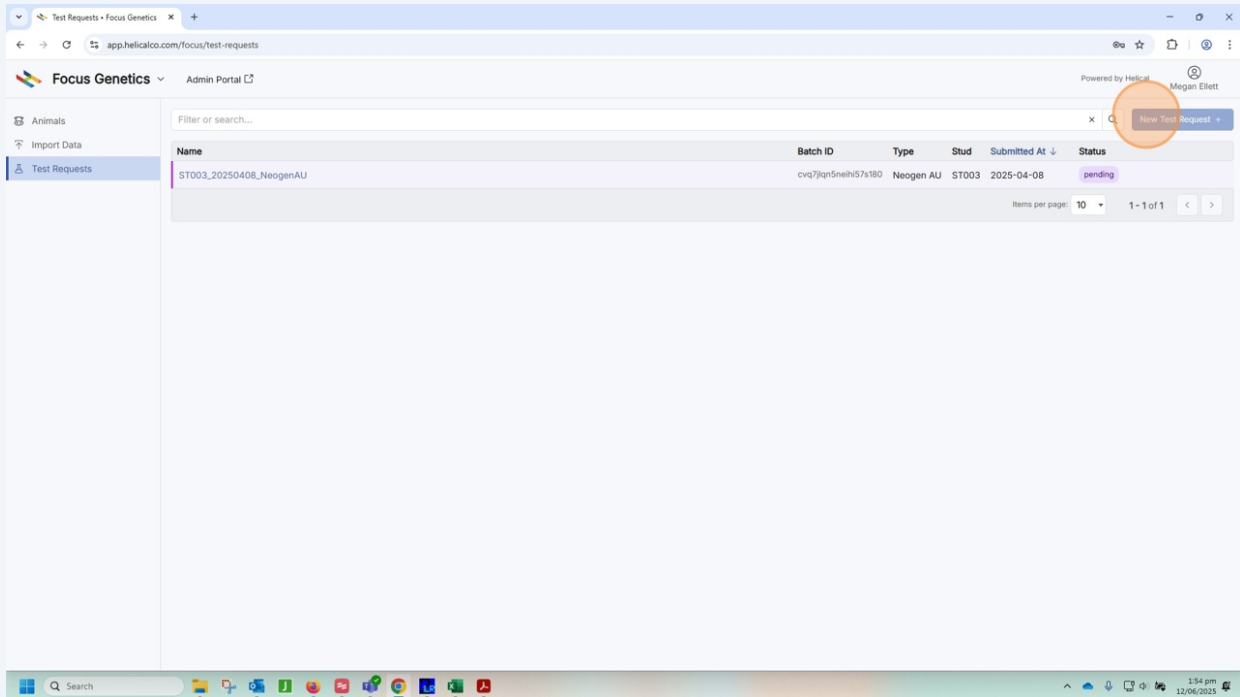


The screenshot shows the Focus Genetics Admin Portal. The left sidebar has a menu with "Animals" selected, and "Test Requests" is highlighted with a red circle. The main content area shows a table of animal data. The table has columns for Animal ID, Birth Wgt, Weaning Wgt, Yearling Wgt, Post Weaning Gain, Mat. Weaning Wgt, Milk, Calving Ease Dir, Calving Ease Mat, Stayability, and Docility. The first row is marked with an error: "\*ERROR\*". The subsequent rows show data for various animals, including their birth weight, weaning weight, yearling weight, post-weaning gain, maternal weaning weight, milk production, calving ease, stayability, and docility.

Animal ID	Birth Wgt	Weaning Wgt	Yearling Wgt	Post Weaning Gain	Mat. Weaning Wgt	Milk	Calving Ease Dir	Calving Ease Mat	Stayability	Docility
*ERROR*	-1	27	41	0	30	17	24	16	26	14
0000008067992	-	-	-	-	-	-	-	-	-	-
0000008167990	-	-	-	-	-	-	-	-	-	-
00000170154	1	25	29	0	32	19	15	4	8	13
00000178111	1	26	32	0	32	19	16	7	12	14
00000180133	1	27	34	0	32	18	17	8	13	13
00000180192	1	27	34	0	32	18	17	8	13	13
00000180204	1	27	34	0	32	18	17	8	13	13
00000180207	1	27	34	0	32	18	17	8	13	13
00000180209	1	27	34	0	32	18	17	8	13	13

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)

The screenshot shows the 'New Test Request' form. The form has three steps: 1. Upload Samples, 2. Add Ons, and 3. Parent Information. In the 'Upload Samples' step, the 'Request Type' dropdown menu is highlighted with an orange circle and shows 'Neogen AU' as the selected option. Below it are fields for 'Stud' (set to 'None') and 'Test Request Reference' (set to '20250612\_NeogenAU'). At the bottom, there is a 'Samples' table with columns: Barcode\*, Type\*, Animal Registration\*, Animal Name\*, and Sex\*. Each column has an input field for data entry.

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  
Walkite

19473  
Kapiro

19481  
Duncraig

19499  
Neomahana

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 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

The screenshot shows the Helicalco Focus Genetics interface. At the top right, it says "Powered by Helicalco" and "Megan Ellett". Below this, there are three tabs: "2 Add Ons", "3 Parent Lists", and "4 Summary". On the left, there are three input fields. In the center, there is a table with the following columns: "Animal Registration\*", "Animal Name\*", "Sex\*", "Date Of Birth", and "Possible Sires". The "Load Data" button is highlighted with an orange circle. Below the table, there is a horizontal scrollbar.

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

The screenshot shows the Focus Genetics "New Test Request" form. The "Request Type" is set to "Neogen AU". The "Stud" field contains "19499". The "Test Request Reference" field contains "19499\_20250612\_N". The "Samples" section has a "Barcode\*" checkbox and an "Enter Barcode" field. The "Copy and Paste" button is highlighted with an orange circle. Below the form, there is a horizontal scrollbar.

11

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

**Focus Genetics** Admin Portal

**New Test Request**

1 Upload Sample

Request Type: Neogen AU

Stud: 19499

Test Request Reference: 19499\_20250612\_N

Samples

Filter...

☐ Barcode\*

Enter Barcode

Copy and Paste Upload File **Select Animals** Stockbook Request

Status: Active x

<input type="checkbox"/>	Animal ID	Sire Animal ID	Dam Animal ID	DOB	Sex
<input type="checkbox"/>	194730201421	194730181325	194731171074	2020-08-13	♂
<input type="checkbox"/>	19473211451	194730191428	194731171127	2021-08-22	♂
<input type="checkbox"/>	194990183102	DGJG10	194991133135	2018-08-19	♂
<input type="checkbox"/>	194990183167	DGJG10	194991133139	2018-08-23	♂
<input type="checkbox"/>	194990193127	194990153015	194991173001	2019-08-24	♂
<input type="checkbox"/>	194990193159	194990173168	194991153147	2019-08-26	♂
<input type="checkbox"/>	194990203038	USA17525672	194991163054	2020-08-14	♂
<input type="checkbox"/>	194991153039	USA16198796	19499110153	2015-08-19	♀
<input type="checkbox"/>	194991153043	USA16047469	19499109446	2015-08-19	♀
<input type="checkbox"/>	194991153131	USA16198796	194991110402	2015-08-24	♀

1 - 10 of 10

Add

12

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

**Focus Genetics** Admin Portal

**New Test Request**

1 Upload Sample

Request Type: Neogen AU

Stud: 19499

Test Request Reference: 19499\_20250612\_N

Samples

Filter...

☐ Barcode\*

Enter Barcode

Copy and Paste Upload File **Select Animals** Stockbook Request

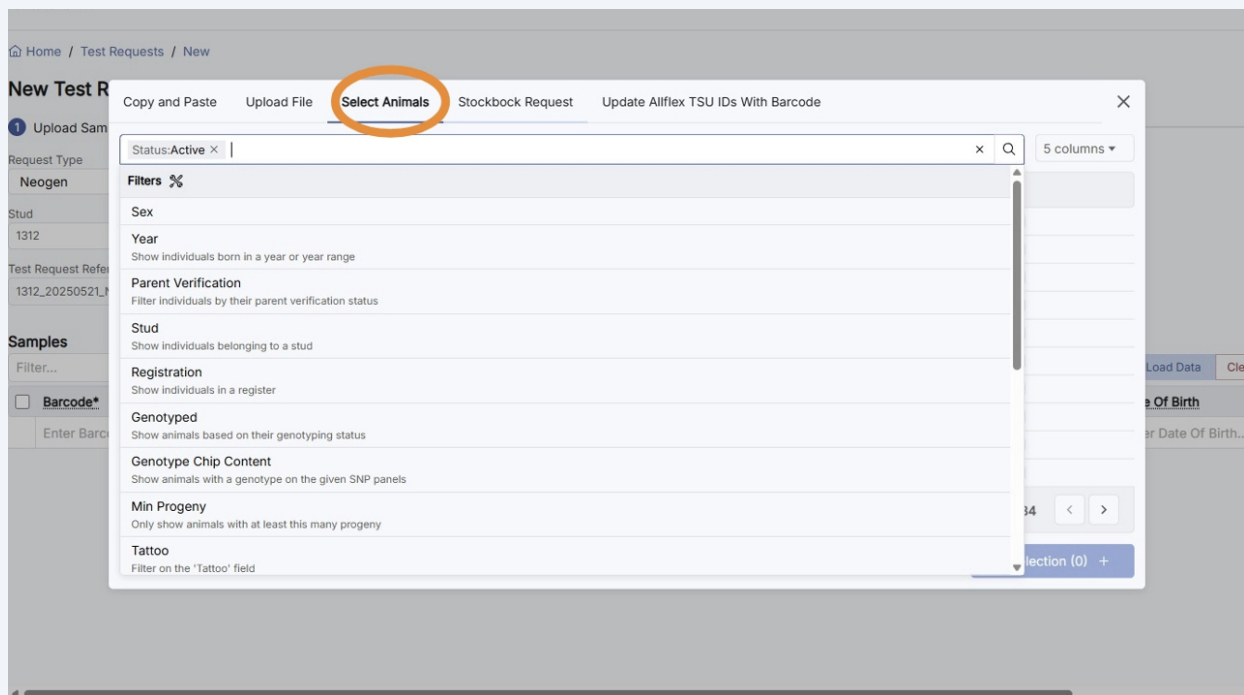
Status: Active x 1947324

<input type="checkbox"/>	Animal ID	Sire Animal ID	Dam Animal ID	DOB	Sex
<input type="checkbox"/>	194730201421	194730181325	194731171074	2020-08-13	♂
<input type="checkbox"/>	19473211451	194730191428	194731171127	2021-08-22	♂
<input type="checkbox"/>	194990183102	DGJG10	194991133135	2018-08-19	♂
<input type="checkbox"/>	194990183167	DGJG10	194991133139	2018-08-23	♂
<input type="checkbox"/>	194990193127	194990153015	194991173001	2019-08-24	♂
<input type="checkbox"/>	194990193159	194990173168	194991153147	2019-08-26	♂
<input type="checkbox"/>	194990203038	USA17525672	194991163054	2020-08-14	♂
<input type="checkbox"/>	194991153039	USA16198796	19499110153	2015-08-19	♀
<input type="checkbox"/>	194991153043	USA16047469	19499109446	2015-08-19	♀
<input type="checkbox"/>	194991153131	USA16198796	194991110402	2015-08-24	♀

1 - 10 of 10

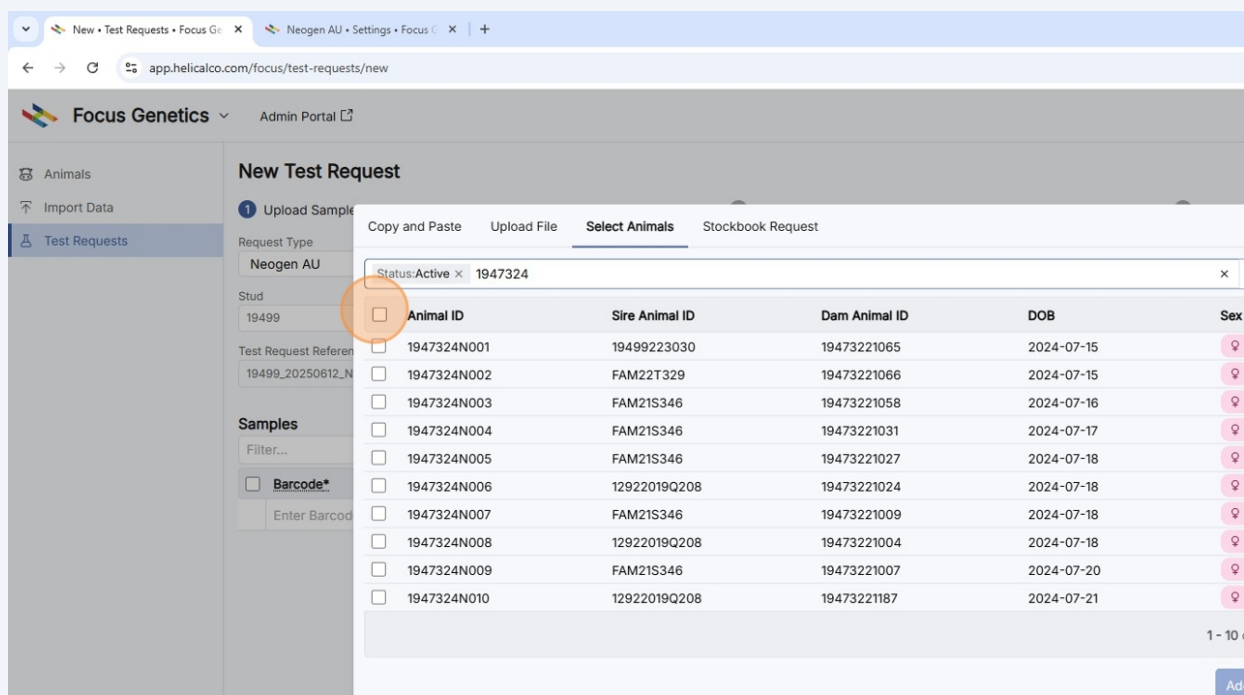
Add

### 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 x Q 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
FAM21S346	19473221027	2024-07-18	♀ cow
12922019Q208	19473221024	2024-07-18	♀ cow
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) +

Load Data Clear Table View: 0 rows

Date Of Birth... Possible Sires

Enter Possible Sires...

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 Import Data Test Requests

### New Test Request

1 Upload Samples 2 Add Ons 3 Parent Information

Request Type: Neogen AU ▾

Stud: 19499

Test Request Reference: 19499\_20250612\_NeogenAU 2024 calves

#### Samples

Filter...

<input type="checkbox"/>	Barcode*	Type*	Animal Registration*	Animal Name*	Sex*
<input type="checkbox"/>			1947324N001	Kapiro N001	Cow
<input type="checkbox"/>	Barcode is required		1947324N002	Kapiro N002	Cow
<input type="checkbox"/>			1947324N003	Kapiro N003	Cow
<input type="checkbox"/>			1947324N004	Kapiro N004	Cow
<input type="checkbox"/>			1947324N005	Kapiro N005	Cow
<input type="checkbox"/>			1947324N006	Kapiro N006	Cow
<input type="checkbox"/>			1947324N007	Kapiro N007	Cow
<input type="checkbox"/>			1947324N008	Kapiro N008	Cow
<input type="checkbox"/>			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

<input checked="" type="checkbox"/>	Barcode*	Type* <span>Set All</span>	Animal Registration*
<input checked="" type="checkbox"/>		tissue	
<input checked="" type="checkbox"/>		tissue	
<input checked="" type="checkbox"/>		tissue	
<input checked="" type="checkbox"/>		tissue	
<input checked="" type="checkbox"/>		tissue	
<input checked="" type="checkbox"/>		tissue	

## 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

Type* <span>Set All</span>	Animal Registration*	Animal Name*	Sex* <span>Set All</span>	Date Of Birth	Possible Sires
issue	1947324N001	Kapiro N001	Cow	2024-07-15	19499223030
issue	1947324N002	Kapiro N002	Cow	2024-07-15	FAM22T329
issue	1947324N003	Kapiro N003	Cow	2024-07-16	FAM21S346
issue	1947324N004	Kapiro N004	Cow	2024-07-17	FAM21S346
issue	1947324N005	Kapiro N005	Cow	2024-07-18	FAM21S346
issue	1947324N006	Kapiro N006	Cow	2024-07-18	12922019Q208
issue	1947324N007	Kapiro N007	Cow	2024-07-18	FAM21S346
issue	1947324N008	Kapiro N008	Cow	2024-07-18	12922019Q208
issue	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

<input type="checkbox"/> Animal ID	Sample ID	Bundle
<input type="checkbox"/> 1947324N001	ZT1234567	<div></div>
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.

act 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	<div>AngusGS 75K</div> <div>Simmental 100K</div> <div>Stabilizer 100K</div>	NZ\$0.00
		NZ\$0.00

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

The screenshot shows the 'New Test Request' form in the Focus Genetics interface. The form is titled 'New Test Request' and has a sidebar on the left with links to 'Animals', 'Report Data', and 'Test Requests'. The main content area has a header with 'Focus Genetics' and 'Admin Portal'. Below the header, there are two tabs: 'Upload Samples' (selected) and 'Add Ons'. A progress indicator shows '3 Parent Lists'. The main content area has a description: 'Parent lists are nominations of a list of potential sires or dams for all animals in the test request. They are used as the first fallback for parentage discovery if the sires or dams specifically nominated for an animal fail to verify.' Below this, there are two sections: 'Sires' and 'Dams'. Each section has a 'Filter...' field, a 'Load Data' button (highlighted with a red circle), a 'Clear Table' button, a 'View' dropdown, and a table with columns for 'ID' and 'Enter ID...'. The 'Sires' table has 0 rows, and the 'Dams' table has 0 rows.

## 22 Check and solve any warnings or errors that may appear

Animals

Import Data

Test Requests

New Test Request

Upload Samples

Add Ons

Parent I

Stud ID: 19499

Request Type: Neogen AU

Total Samples: 1

Stud Name: Rotomahana

Request Reference: 19499\_20250612\_Neoger

Total Cost: NZ\$59.00

Search...

Barcode	Type	Animal Registration	Animal Name	Sex	Date Of Birth	Possible Sires	NAIT ID
<input type="checkbox"/> ZT1234567	tissue	1947324N001	Kapiro N001	♀ cow	2024-07-15	19499223030	982 123825886
<ul style="list-style-type: none"><li>Already genotyped</li><li>Belongs to stud 19473, not 19499</li></ul>							

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

- That PBB will invoice me following submission of this form, in the next monthly billing cycle, once DNA results have been reported.
- 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.
- 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.
- 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.
- 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"

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
<input type="checkbox"/> ZT1234567	tissue	1947324N001	Kapiro N001	♀ cow	2024-07-15	19499223030	982 123825886

2 warnings found

Please review the warnings before submitting

- Already genotyped
- Belongs to stud 19473, not 19499

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

Test Requests • Focus Genetics

Neogen AU • Settings • Focus

app.helicalco.com/focus/test-requests

Focus Genetics

Admin Portal

Powered by Helical

Megan Elliott

Animals

Import Data

Test Requests

Filter or search...

Name

Batch ID

Type

Stud

Submitted At

Status

ST003\_20250408\_NeogenAU

cvq7pqn5neht57s180

Neogen AU

ST003

2025-04-08

pending

19499\_20250612\_NeogenAU\_2024 calves

d153cdq5nemt16ouf0g

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



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