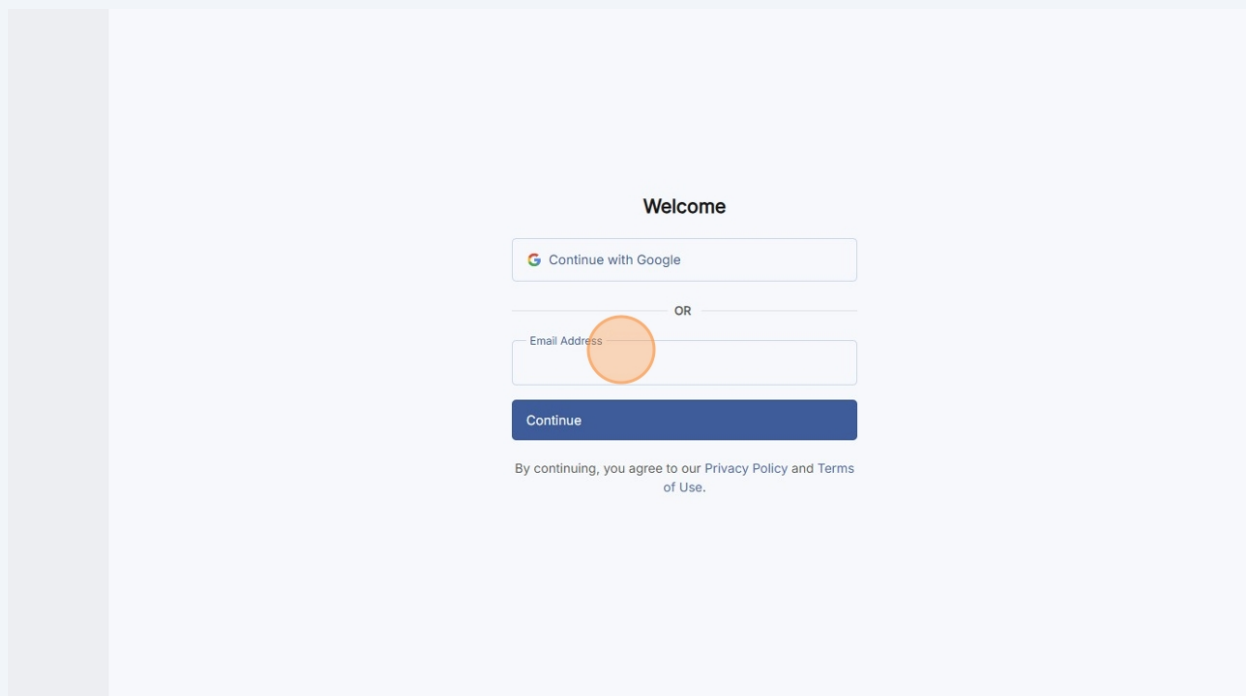


# Helical DNA Test request - Angus NZ

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

2 Login using the email address associated with your Angus NZ 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 a horizontal line with the text "OR" in the center. Below the line is a text input field labeled "Email Address". An orange circle is drawn over the "Email Address" field. Below the input field is a blue button labeled "Continue". At the bottom of the form, there is a line of text: "By continuing, you agree to our Privacy Policy and Terms of Use."

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

### Log In

EMAIL ADDRESS

dna@pbbnz.com

Change email


Reset password

Password

Show

✓

Success!



Continue

By continuing, you agree to our [Privacy Policy](#) and [Terms of Use](#).

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

Animals • Angus NZ

app.helicalco.com/angus-nz/animals

Angus NZ

Admin Portal

Animals

Import Data

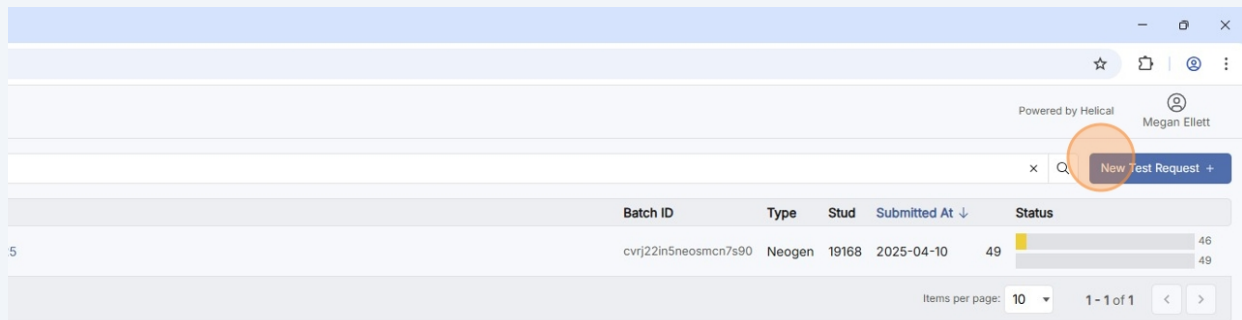
Test Requests

Status:Active x

<input type="checkbox"/>	Animal ID ↑	Name	Sex	DOB
<input type="checkbox"/>	00000070144	TE UMUOPUA	♂ bull	1970-
<input type="checkbox"/>	00000070999	HEREFORD BULL	♂ bull	1970-
<input type="checkbox"/>	00000086163	SLOAN 163/86	♂ bull	1986-
<input type="checkbox"/>	00000086311	VIDOCO	♂ bull	1986-
<input type="checkbox"/>	00000087457		♂ bull	
<input type="checkbox"/>	000001 0586		♀ unknown	
<input type="checkbox"/>	10000057912	CZAR OF ALCAZAR	♂ bull	1957-
<input type="checkbox"/>	100006480	JAL OF ALCAZAR	♂ bull	1964-
<input type="checkbox"/>	1000066241	MAS OF ALCAZAR	♂ bull	1966-
<input type="checkbox"/>	1000106860	BEAUALTA COLOSSAL 60'68	♂ bull	1968-

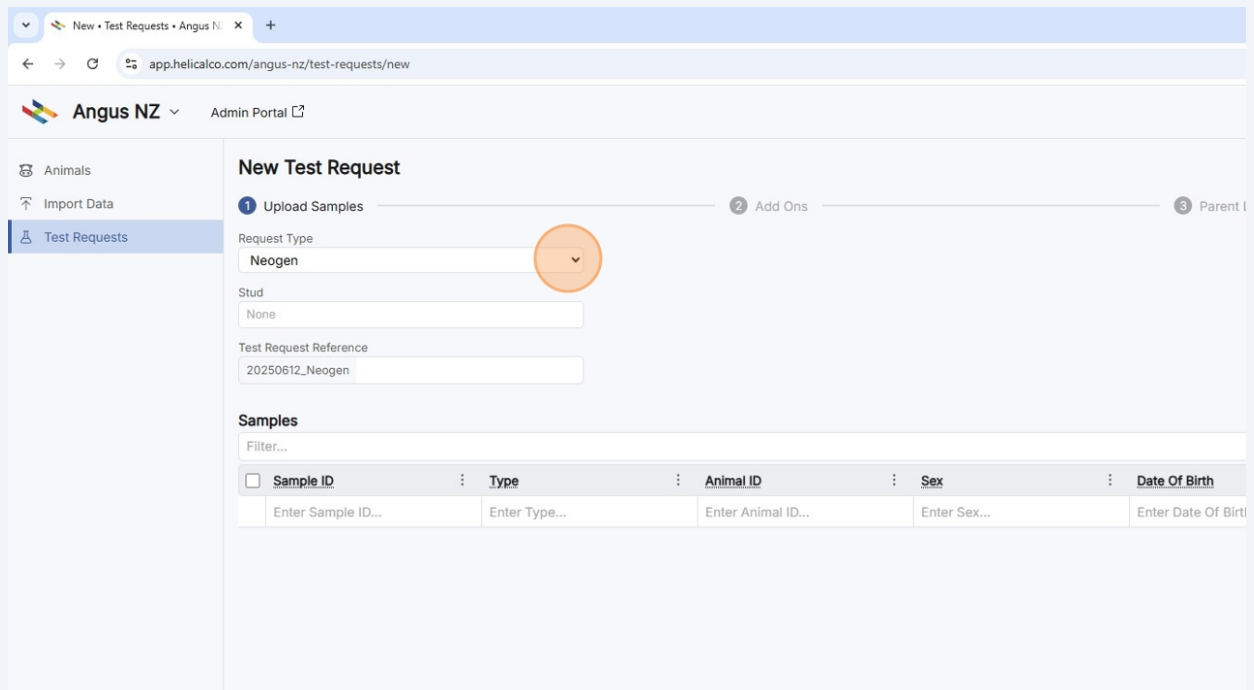
5

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)



7

Your herd number will auto display in 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 Lists 4 Summary

Request Type: Neogen

Stud: 191

Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
Enter Animal ID...	Enter Sex...	Enter Date Of Birth...	Enter Possible Sires...	Enter Possible Dams...

Load Data Clear Table View: 0 rows

Save and Exit Next

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 Lists 4 Summary

Request Type: Neogen

Stud:

Test Request Reference: \_20250612\_Neogen

Samples

Filter...

Sample ID	Type	Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
Enter Sample ID...	Enter Type...	Enter Animal ID...	Enter Sex...	Enter Date Of Birth...	Enter Possible Sires...	Enter Possible Dams...

Load Data Clear Table View: 0 rows

Save and Exit Next

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

Powered by Helical Megan Elliott

2 Add Ons 3 Parent Lists 4 Summary

Load Data Clear Table View: 0 rows

Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
Enter Animal ID...	Enter Sex...	Enter Date Of Birth...	Enter Possible Sires...	Enter Possible Dams...

## 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

Angus NZ Admin Portal

New Test Request

Request Type: Neogen

Test Request Reference: 20250612...

Copy and Paste Upload File Select Animals Stockbook Request

Copy and paste cells from spreadsheet

Next

Save and Exit Next

11

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

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

Angus NZ Admin Portal

New Test Request

Request Type: Neogen

Stud: 19168

Test Request Reference: 19168\_20250612\_N

Samples: Filter...

Sample ID: Enter Sample ID

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

Status: Active x

Animal ID	Sire Animal ID	Dam Animal ID	DOB	Sex
<input type="checkbox"/> 10752121023	12865015L12	10752116138	2021-08-19	♀
<input type="checkbox"/> 12170016145	12170013529	12170111G511	2016-09-02	♂
<input type="checkbox"/> 13516019Q333	14738014489	13516115L123	2019-08-13	♂
<input type="checkbox"/> 19168000211	17732090630	1916819357	2000-08-29	♂
<input type="checkbox"/> 19168000223	17683072801	19168198163	2000-09-09	♂
<input type="checkbox"/> 19168000226	17732090630	1916819117	2000-09-13	♂
<input type="checkbox"/> 19168001249	USA012396224	19168198159	2001-09-08	♂
<input type="checkbox"/> 19168001251	19275093154	1916819357	2001-09-09	♂
<input type="checkbox"/> 19168014141	118330111395	21196110021	2014-03-01	♂
<input type="checkbox"/> 19168014142	10322010619	19168103327	2014-03-01	♂

1 - 10

12

Other filters available include the following

Angus NZ Admin Portal

New Test Request

Request Type: Neogen

Stud: 19168

Test Request Reference: 19168\_20250612\_N

Samples: Filter...

Sample ID: Enter Sample ID

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

Status: Active x

Filters

- Sex
- Year: Show individuals born in a year or year range
- Parent Verification: Filter individuals by their parent verification status
- Stud: Show individuals belonging to a stud
- Registration: Show individuals in a register
- Genotyped: Show animals based on their genotyping status
- Genotype Chip Content: Show animals with a genotype on the given SNP panels

13

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

**Angus NZ** Admin Portal

**New Test Request**

1 Upload Sample

Request Type: Neogen

Stud: 19168

Test Request Reference: 19168\_20250612\_N

Samples

Filter...

☐ Sample ID

Enter Sample ID

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

Status: Active x 10322

☒ 2 selected

Animal ID	Animal ID	Animal ID	Date	Sex
<input type="checkbox"/> 10322000527	16932097365	1032219864698	2000-07-20	♂ bull
<input type="checkbox"/> 10322000529	1032209837998	1032219220592	2000-07-24	♂ bull
<input checked="" type="checkbox"/> 10322000531	16932097365	1032219862798	2000-07-27	♂ bull
<input checked="" type="checkbox"/> 10322000532	1032209837998	1032219643496	2000-07-30	♂ bull
<input type="checkbox"/> 10322000533	1032209837998	1032219222792	2000-08-01	♂ bull
<input type="checkbox"/> 10322000534	1768309796	1032219749397	2000-08-02	♂ bull
<input type="checkbox"/> 10322000535	16932097365	1032219863798	2000-08-03	♂ bull
<input type="checkbox"/> 10322000536	16932097365	1032219862498	2000-08-03	♂ bull
<input type="checkbox"/> 10322000537	16932097365	1032219861798	2000-08-04	♂ bull
<input type="checkbox"/> 10322000538	1768309796	1032219647796	2000-08-06	♂ bull

1 - 10 of 2213

Add Selection (3)

14

Click "Add Selection". The total number of selected animals will be displayed

22

5 columns

Animal ID	Animal ID	Animal ID	Date	Sex
16932097365	1032219864698	2000-07-20	♂ bull	
1032209837998	1032219220592	2000-07-24	♂ bull	
16932097365	1032219862798	2000-07-27	♂ bull	
1032209837998	1032219643496	2000-07-30	♂ bull	
1032209837998	1032219222792	2000-08-01	♂ bull	
1768309796	1032219749397	2000-08-02	♂ bull	
16932097365	1032219863798	2000-08-03	♂ bull	
16932097365	1032219862498	2000-08-03	♂ bull	
16932097365	1032219861798	2000-08-04	♂ bull	
1768309796	1032219647796	2000-08-06	♂ bull	

1 - 10 of 2213

Add Selection (3)

Load Data Clear Table View: 0 rows

Possible Sires Possible Dams

Possible Sires... Enter Possible Dams...

Save and Exit Next

15

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

**Angus NZ** Admin Portal Powered by Helical Megan Elliott

**New Test Request**

1 Upload Samples 2 Add Ons 3 Parent Lists 4 Summary

Request Type: Neogen

Stud: 19168

Test Request Reference: 19168\_20250612\_Neogen 2024 calves

**Samples**

Filter...

Sample ID	Type	Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
<input type="checkbox"/>	tissue	10322000531	Bull	2000-07-27	16932097365	1032219662798
<input type="checkbox"/>	tissue	10322000532	Bull	2000-07-30	1032209837998	1032219643496
<input type="checkbox"/>	tissue	10322000533	Bull	2000-08-01	1032209837998	1032219222792
Enter Sample ID...	Enter Type...	Enter Animal ID...	Enter Sex...	Enter Date Of Birth...	Enter Possible Sires...	Enter Possible Dams...

Load Data Clear Table View: 3 rows

Save and Exit Next

16

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

**Angus NZ** Admin Portal Powered by Helical Megan Elliott

**New Test Request**

1 Upload Samples 2 Add Ons 3 Parent Lists 4 Summary

Request Type: Neogen

Stud: 19168

Test Request Reference: 19168\_20250612\_Neogen 2024 calves

**Samples**

Filter...

Sample ID	Type	Animal ID	Sex	Date Of Birth
<input checked="" type="checkbox"/>	tissue	10322000531	Bull	2000-07-27
<input checked="" type="checkbox"/>	hair	10322000532	Bull	2000-07-30
<input checked="" type="checkbox"/>	semen	10322000533	Bull	2000-08-01
<input checked="" type="checkbox"/>	blood			
<input checked="" type="checkbox"/>	done			
Enter Sample ID...	Enter Type...	Enter Animal ID...	Enter Sex...	Enter Date Of Birth...

Set All tissue hair semen blood done



17

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: 3 rows

type	Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
ssue	10322000531	Bull	2000-07-27	16932097365	1032219662798
ssue	10322000532	Bull	2000-07-30	1032209837998	1032219643496
ssue	10322000533	Bull	2000-08-01	1032209837998	1032219222792
Enter Type...	Enter Animal ID...	Enter Sex...	Enter Date Of Birth...	Enter Possible Sires...	Enter Possible Dams...

Save and Exit

Next

18

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

Add Ons

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 Total Bundle: includes AngusGS 75K, Genotype, Parent Verification, BVDV, NH, Alpha-Mannosidosis, AM, Developmental Duplications and CA
- AngusGS 75K SNP Profile: includes AngusGS 75K SNP Profile, Genotype and Parent Verification
- SeekSire: includes SeekSire, Genotype and Parent Verification
- Additional tests: includes Genotype

\*All pricing is in NZD

Animal ID	Sample ID	Bundle
<input type="checkbox"/> 10322000531	-	
<input type="checkbox"/> 10322000532	-	
<input type="checkbox"/> 10322000533	-	
Total:		

19

Then select the relevant test from the drop-down list of options, for example the AngusGS 75K Total bundle

1 Samples

2 Add Ons

3 Parent Lists

and optional add-ons for your animals.

For multiple animals, select the animals you want to update then choose the bundle from the

bundles are available:

**5K Total Bundle:** includes AngusGS 75K, Genotype, Parent Verification, BVDV, NH, Alpha-sis, AM, Developmental Duplications and CA

**5K SNP Profile:** includes AngusGS 75K SNP Profile, Genotype and Parent Verification  
includes SeekSire, Genotype and Parent Verification

**ests:** includes Genotype

in NZD

ID	Sample ID		Cost
000531	-	AngusGS 75K Total Bundle	NZ\$0.00
000532	-	AngusGS 75K SNP Profile	NZ\$0.00
000533	-	SeekSire	NZ\$0.00
		Additional tests	NZ\$0.00

20

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"

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

AngusGS 75K, Genotype, Parent Verification, BVDV, NH, Alpha-sis, AM, Developmental Duplications and CA  
AngusGS 75K SNP Profile, Genotype and Parent Verification  
and Parent Verification

Sample ID	AngusGS 75K Total Bundle	Cost
-	AngusGS 75K Total Bundle	NZ\$73.50
-	AngusGS 75K Total Bundle	NZ\$73.50
-	AngusGS 75K Total Bundle	NZ\$73.50
		NZ\$220.50

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

**New Test Request**

✓ Upload Samples    ✓ Add Ons    3 Parent Lists    4 Summary

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.

**Sires**

Filter... Load Data Clear Table View: 0 rows

ID
Enter ID...

**Dams**

Filter... Load Data Clear Table View: 0 rows

ID
Enter ID...

Save and Exit Next

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

Test Requests

Stud ID: 19168  
Request Type: Neogen  
Total Samples: 3

Stud Name: Waimara Ltd  
Request Reference: 19168\_20250612\_Neogen  
Total Cost: NZ\$220.50

Search...

Type	Animal ID	Sex	Date Of Birth	Possible Sires	Possible Dams
<input type="checkbox"/> tissue	10322000531	♂ bull	2000-07-27	16932097365	1032219862798
• Sire 16932097365 not genotyped • Dam 1032219862798 not genotyped • Belongs to stud 10322, not 19168					
<input type="checkbox"/> tissue	10322000532	♂ bull	2000-07-30	1032209837998	1032219643496
• Sire 1032209837998 not genotyped • Dam 1032219643496 not genotyped • Belongs to stud 10322, not 19168					
<input type="checkbox"/> tissue	10322000533	♂ bull	2000-08-01	1032209837998	1032219222792
• Sire 1032209837998 not genotyped • Dam 1032219222792 not genotyped • Belongs to stud 21031, not 19168					

9 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"

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

Animals

Import Data

Test Requests

Filter or search...

Name

Batch ID

\_20250612\_Neogen\_2024 calves

d154n1n5nejm9srjgk0

20250410\_Neogen\_1 100425

cvrj22in5neosmcn7s90

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)