



Testing Animals with Zoetis i50K for Angus

The process for testing an Angus animal with the Zoetis i50K for Angus product is the same as for the Zoetis HD50K for Angus product.

Steps for Testing with Zoetis i50K for Angus Product

1. Contact Angus Australia and request a DNA Collection Kit. The DNA Collection Kits for the Zoetis i50K product are the same as those used for the Zoetis HD50K product.
2. Obtain a DNA sample from the animal. Hair or semen is preferred, but blood or tissue can also be provided. If a hair sample is being provided and additional DNA testing is also required (such as testing for genetic condition status), it is advisable to collect two hair samples to ensure that adequate DNA is available
3. Complete the DNA Test Request form that is available from the Angus Australia website, or upon request from staff at Angus Australia
4. Return the completed DNA Test Request form and DNA sample to the Angus Australia office

Cost of Testing with Zoetis i50K for Angus Product

The cost of testing with the Zoetis i50K for Angus product is \$64.68 per animal. A processing fee of either \$6.60 per animal (1-50 animals), \$5.50 per animal (51-100 animals) or \$4.40 per animal (101+ animals) will also be charged by Angus Australia. The processing fee covers Angus Australia's labour costs to process samples and results, ABRI database fees, plus handling and freight charges. All prices are GST inclusive.

Availability of Results

Upon receipt of the DNA sample, Angus Australia staff will process the sample and forward it to Zoetis for testing.

Results from the Zoetis i50K for Angus product will be available in similar time to the Zoetis HD50K product, being a turnaround time of approximately 4-5 weeks.

Publishing of Results

Once the testing is completed, the results are returned to Angus Australia and automatically stored on the Angus Australia database for inclusion in the next

monthly Angus BREEDPLAN analysis.

As with the Zoetis HD50K for Angus product, the genomic predictions from the Zoetis i50K for Angus product are also provided directly by Zoetis to the member undertaking the testing (in the form of Molecular Value Predictions or MVPs).

Handy Tips When Collecting DNA Samples

- Check the identification of the animal and record the full Angus Australia ident on the front of the collection card.
- When collecting hair samples, pull a minimum of 30 hair follicles from the thick brush of the animal's tail making sure the roots are still attached.
- Ensure the DNA sample collected is dry and free from any foreign matter (dirt, faeces and plant material). Dirty samples often fail testing and will require recollection.
- When collecting hair samples, place the hair sample in the collection card, align hair follicles and place the animal ident sticker over the hair shafts. Trim off excess hair that falls below the card.
- Semen straws are damaged easily, take two pieces of cardboard and make a groove for the straw to sit in. Label and tape cardboard together.
- When posting semen straws write "do not bend" on postage bag.
- Ensure that the Angus Australia DNA Test Request form is completed and submit a signed copy of the member test agreement, if you haven't previously completed one.
- Place samples and completed paperwork in a sturdy postage bag

Further Information

To further discuss the testing requirements for the inclusion of genomic information in Angus BREEDPLAN, please contact either Angus Australia's Breed Development & Innovation Manager, Carel Teseling on (02) 6773 4602 or carel@angusaustralia.com.au, or Angus Australia's Education, Extension & Youth Manager, Andrew Byrne on (02) 6773 4618 or andrew@angusaustralia.com.au.

