

A close-up, high-resolution photograph of a black Angus cow's head, focusing on its eye and nose. The cow's fur is dark and textured, and its eye is partially closed. The background is dark and out of focus.

# The Science of Selection.

The logo for HD50K for ANGUS, featuring the text "HD50K" in a bold, sans-serif font with "HD" in orange and "50K" in white, and "for ANGUS" in a smaller font below it, all enclosed in a white oval with a grey border.

**HD50K**  
for ANGUS

The advanced genomic selection tool for Angus breeders.

The Zoetis logo, consisting of the word "zoetis" in a lowercase, white, sans-serif font, positioned on an orange rectangular background.

zoetis

# Trusted Science.

## HD 50K for Angus

- ✔ Is the latest innovation in genomic technologies that enable Zoetis to provide high density genotyping services to Australian and New Zealand Angus producers
- ✔ Is updated utilising the latest R&D and outputs from our Angus Reference Genome Research Project – another Zoetis world first
- ✔ Is utilised in the TransTasman Angus Cattle Evaluation (TACE) to provide the latest EBVs to Angus producers



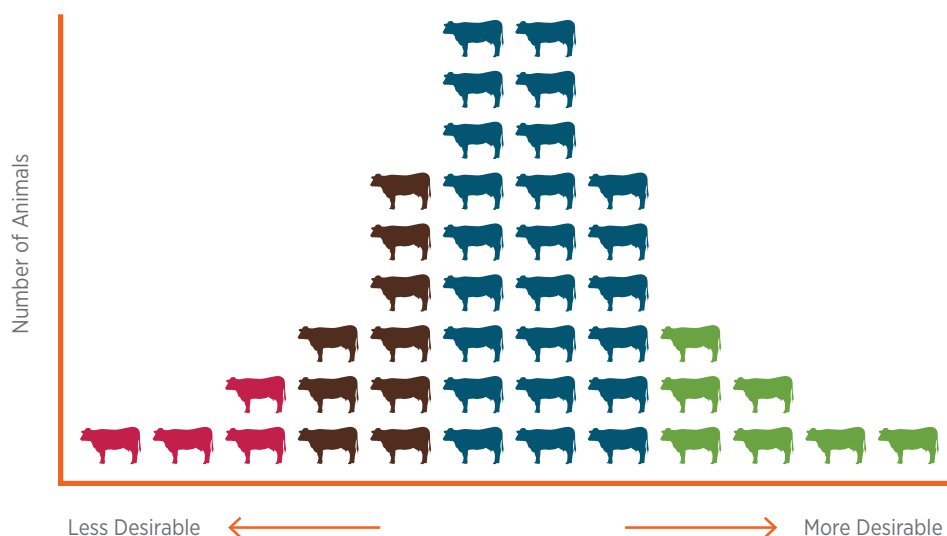
## Reliable solutions sooner

### ✔ HD 50K for Angus

- Increases the accuracy of Angus TACE EBVs and indexes for young Angus bulls and heifers, with limited or no progeny, daughters, or carcass information
- Increases the accuracy of Angus TACE EBVs for time consuming, difficult, expensive and hard-to-measure traits, such as intramuscular fat, eye muscle area and net feed intake
- Delivers more dependable and comprehensive Angus TACE EBVs and indexes
- Includes parentage verification, and sire match assignment for progeny tested with Angus HeiferSELECT™
- Compatible with “add-on” testing for important recessive genetic conditions

### ✔ Maximise the benefits from HD 50K within Angus TACE via whole cohort testing;

- Select, mate and market Angus seedstock with greater confidence
- Identify your best young sire/dam prospects
- Use only the best bulls
- Ensure only the best heifers enter the breeding herd
- Cull the bottom end





## Traits evaluated

HD 50K for Angus is exclusively available to members of Angus Australia and is fully incorporated into the Angus TACE delivering increased accuracy to the following EBVs:

<b>SELECTION INDEX (\$)</b>	<ul style="list-style-type: none"> <li>• Angus Breeding Index (\$A) • Domestic Index (\$D) • Heavy Grain Index (\$GN) • Heavy Grass Index (\$GS)</li> <li>• Angus Breeding Low Feed Cost Index (\$A-L) • Domestic Low Feed Cost Index (\$D-L) • Heavy Gain Low Feed Cost Index (\$GN-L) • Heavy Grass Low Feed Cost Index (\$GS-L)</li> <li>• AngusPro Index (\$PRO) • Angus Terminal Sire Index (\$T)</li> </ul>
<b>BIRTH</b>	<ul style="list-style-type: none"> <li>• Birth Weight • Gestation Length • Calving Ease Direct • Calving Ease Daughters</li> </ul>
<b>GROWTH</b>	<ul style="list-style-type: none"> <li>• 200 Day Growth • 400 Day Weight • 600 Day Weight • Mature Cow Weight • Milk</li> </ul>
<b>FEED EFFICIENCY</b>	<ul style="list-style-type: none"> <li>• Net Feed Intake (Feedlot)</li> </ul>
<b>CARCASE</b>	<ul style="list-style-type: none"> <li>• Carcase Weight • Rib Fat • Rump Fat • Eye Muscle Area • Intramuscular Fat • Retail Beef Yield</li> </ul>
<b>FERTILITY</b>	<ul style="list-style-type: none"> <li>• Scrotal Size • Days to Calving</li> </ul>
<b>STRUCTURAL SOUNDNESS</b>	<ul style="list-style-type: none"> <li>• Claw Set • Foot Angle</li> </ul>
<b>TEMPERAMENT</b>	<ul style="list-style-type: none"> <li>• Docility</li> </ul>

## Zoetis is the leading innovator... build a history with the company creating the future.

### Zoetis provides comprehensive solutions for beef producers

- ✓ **Our genetic services go way beyond the lab**  
Zoetis offers significant customer service and advice and is backed by over 30 local Zoetis representatives including dedicated genetics specialists and our genetics customer service centre
- ✓ **Size and global scale provides a wealth of global knowledge**
  - 17 staff Ph.D. geneticists driving cutting edge research and development
  - Unmatched technical support and customer service
- ✓ **Products and expert advice for vaccines, medicines, diagnostic tools and services**

# Making it happen

Investing in HD 50K for Angus today identifies the superior breeding stock making you more money tomorrow.

**CONFIDENCE** Genotyping provides more reliable information about the genetic merit of your cattle

**ACTION** Act on the results from HD 50K to:

- Identify your best young sire/dam prospects
- Use only the best bulls

**REWARD**

- Select, mate and market Angus seedstock with greater confidence
- Increase the value of your herd
- Avoid the cost of raising inferior stock
- Ensure future investments are only in your best animals

## For more information on HD 50K for Angus

Please contact your local Genetics Professional Sales Representative:

### Northern Region – NSW & QLD

Lachlan Ayoub 0437 226 122

### Southern Region – VIC, SA, WA & TAS

Jake Bourne 0419 664 834

Customer Service 1300 768 400

PO Box 75, Banyo QLD 4014

Email: [genetics.au@zoetis.com](mailto:genetics.au@zoetis.com)

Web: <https://genetics.zoetis.com/Australia/>



**HD 50K: THE TIME IS NOW. WHY WAIT?**



## Next steps

- HD 50K is available to Angus Australia members who are enrolled in Angus TACE
- Order DNA Collector Kits:
  - a. Hair samples from Angus Australia or Zoetis
  - b. TSU samples from Zoetis or your local agricultural merchandise store
- Collect DNA samples and return to Angus Australia with a completed Angus Australia DNA Services Order Form
- Once available, HD 50K results will be loaded onto the Angus Australia database for inclusion in the next subsequent Angus TACE analysis, with updated EBVs reported as soon as the analysis is complete

Before testing animals recorded on Angus Australia's MBR register with HD 50K, breeders should contact staff at Zoetis or Angus Australia to discuss the suitability of the product for these animals.