

# **AUSTRALIAN BRAHMAN BREEDERS ASSOCIATION**

## **DNA TESTING QUESTIONS AND ANSWERS**

### ***Q. What type of samples do I collect for DNA Testing?***

A. There are 3 sample types that can be collected.

1. **Tail Hairs** - pull a minimum of 30 tail hairs with roots attached from the animal's tail and place on Neogen Hair cards. Store tail hair samples at room temperature.
2. **Tissue Sample Units (TSU)** - A small piece of tissue from the ear is collected in the Tissue Sample Unit using a TSU applicator. This is a similar procedure to ear tagging. Store Samples at room temperature.
3. A **Semen Straw** - semen straw does not have to be kept frozen. If sending the semen straw through the post, it is best to place sticky tape over the ends to prevent leakage and include a small piece of cardboard in the envelope to prevent the straw from bending or being damaged. If storing sample for a while before sending, store in freezer.

### ***Q. Where are the Hair Cards, TSU and TSU Applicators available from and how much do they cost?***

A. Neogen Hair Cards, TSU's and Applicators are available from the ABBA office.

- Neogen Hair Cards - \$1.00ea plus a \$3.30 handling fee charged by the lab per sample.
- TSU's - \$2.80ea.
- TSU Applicator - \$102.00ea.

### ***Q. Where are the sample sent to?***

A. The samples are sent to: ABBA, PO Box 796, Rockhampton Qld 4700.

The samples are then processed and sent to the Neogen Lab at Gatton for testing.

### ***Q. Are DNA Application Forms required to be completed?***

A. Yes - The DNA Application Form is available from our website.

The mandatory fields to complete are:

- TSU number
- Animal Ident
- Sex
- Test Required
- Sire and/or Dam columns if sire/dam verification required - For single sire/dam verification add sire/dams ident to sire and dam columns - For multiple sires or dams verification, in the sire and/or dam columns add see sire/dam lists. Add sires to blue sire tab, add dams to pink dam tab at the bottom of spreadsheet. Add sire/dam case numbers where possible.

**If sire and/or dams are not provided, then parentage will NOT be requested.** If necessary parentage (only) can be requested at a later date at a cost of \$7.00 ea.

**The completed DNA Application form is required to be emailed to**

**[admin@brahman.com.au](mailto:admin@brahman.com.au)**

A copy of the completed DNA Application form is required to be sent in with the samples.

**Q. What tests are available?**

A. Test Code plus descriptions

- STD\_BDL - Brahman Standard Bundle - includes Pompe's, Polled, SNP Profile, Genomic EBV's and Parentage (where sire/dam list is provided)
- TRAIT\_PNL - Traits Panel - includes Pompe's, Polled, Tenderness and CMS. - does not include SNP Profile.
- SEEKSIRE - SNP Profile for females and males + parentage if requested.
- E7 - Pompe's E7
- PI - Pesti
- POLLED - Polled/Horned

For Further available DNA tests, see the DNA Fees list.

Test Codes are also available on the DNA Application form.

**Q. What test is recommended for DNA Profile and Pompes Testing of sires?**

A. The Brahman Standard Bundle – STD\_BDL

- STD\_BDL - Brahman Standard Bundle - includes Pompe's, Polled, SNP Profile, Genomic EBV's and Parentage (where sire/dam list is provided)

**Q. What are the costs?**

A. The costs for the most commonly used tests are:

- \$55.00 Brahman Standard Bundle - Breedplan member
- \$64.00 Brahman Standard Bundle - Non Breedplan member
- \$27.60 Seeksire (SNP Profile/PV for females and males)
- \$30.50 Standalone tests - Pompe's E7/Polled/Tenderness

All other fees available from our website.

**Q. How long does it take for the results to come back?**

A. The results take up to 4 weeks to come back. The lab does not accept urgent requests.

Further DNA information and Fact sheets are available from our website

[www.brahman.com.au](http://www.brahman.com.au) under the Download Portal Banner.

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