



Neuropathic Hydrocephalus (NH) Frequently Asked Questions

June 23rd, 2009

Q1: When will the NH test be available to producers?

A: Pfizer Animal Genetics has been working diligently to produce a diagnostic test based on research conducted by Dr. Jon Beever at the University of Illinois, and **results have been validated** by Dr Beever.

Q2: What is the typical turnaround time from sample submission to results?

A: Customers can expect results within two weeks or less once we have received your sample(s) and a completed test request form.

Q3: What is the preferred sampling method?

A: DNA samples collected as hair follicles, semen, blood FTA[®] cards or blood tubes are accepted. When sending in hair samples, please make sure at least 25 hair follicles are included (with bulb at the end of the hair intact) to ensure a representative sample. Producers should provide samples in a form that best suits their management and animal-handling process. If you have the option of collecting samples in any of the above forms, hair follicles are the preferred sampling method. It is possible that tests run on blood tube samples may take longer to process. A sample collection guide is available on www.pfizeranimalgenetics.com.au

Q4: Can I submit samples in University of Queensland sample collectors?

A: Yes. We are able to process UQ sample collectors, and we will still track each sample with a unique laboratory barcode.

Q5: How do I submit a sample?

A: DNA sample collectors can be obtained from Pfizer Animal Genetics or your breed society. Once a sample has been collected, complete a Test Request Form and a Sample Information Form. These forms can be found at www.pfizeranimalgenetics.com.au or by calling Pfizer Animal Genetics Customer Service at 1300 768 400. Please send these forms along with your sample(s) to:

Pfizer Animal Genetics, PO Box 145, Albion QLD 4010.

Or forms can be sent electronically, separate from the sample, to pahgenetics.au@pfizer.com

Q6: I have already submitted samples for GeneSTAR[®] and AM testing. Can these be used for NH testing?

A: In most cases, samples already on file may be used for NH testing. If a new sample is required, a customer service representative will contact you.



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Q7: Can my samples submitted for NH be run for parentage and GeneSTAR tests?

A: If a sufficient supply of DNA is available after NH testing is completed, then samples submitted for NH could also be tested for parentage and GeneSTAR results. If you choose to have samples analysed for parentage and GeneSTAR, please indicate as such on the order form accompanying the DNA samples.

Q8: I have GeneSTAR MVP™ and AM samples ready to be sent in. Will there be a package that includes these tests along with NH testing?

A: Please download our Defects Test Request Form for pricing packages for NH in conjunction with other tests. From www.pfizeranimalgenetics.com.au go to "Download Forms".

Q9: Who owns the DNA samples and results?

A: The person submitting samples pays for the test and owns the results. When samples are sent directly to Pfizer Animal Genetics, producers can indicate on the order form whether they wish results to be made public. Pfizer Animal Genetics will not release private results to anyone unless authorised to do so by the customer submitting the DNA sample. Customers testing registered animals whose results are required by Angus Australia should submit samples for testing to Angus Australia, nominating Pfizer Animal Genetics as the testing laboratory.

Q10: Will Pfizer Animal Genetics release an official listing of NH-tested cattle, or will the official list be made public by the Angus Australia?

A: An animals' NH status will be published by Angus Australia on the AA website which will be updated periodically by Angus Australia.

Q11: Will Pfizer Animal Genetics run an NH test on an animal that does not have a registration number?

A: Pfizer Animal Genetics will run a test on any animal submitted, including commercial animals. Any animals whose results need to be published on the Angus Australia website should be submitted through Angus Australia, nominating Pfizer Animal Genetics as the testing laboratory.

Q12: How much will the NH test cost?

A: For 1-50 samples the NH test will cost \$32+GST per sample. When over 50 samples are submitted, the price will be \$30+GST per sample. Samples submitted through Angus Australia will incur an administration fee, so the price per sample will be \$37+GST.

Q13: Will I receive a credit for future testing as we did for AM testing?

A: Each animal tested for NH will earn producers one \$10 credit towards future GeneSTAR MVP testing to be redeemed before September 30, 2009. GeneSTAR MVPs are molecular value predictions for the economically relevant traits of feed efficiency, marbling and tenderness.

For more information please contact Pfizer Animal Genetics on 1300 768 400,

email pahgenetics.au@pfizer.com or visit www.pfizeranimalgenetics.com