

GENETIC TESTING FOR PLN-ASSOCIATED VARIANT GENES



GUIDANCE ON TESTING FROZEN SEMEN



June 2018



Introduction

- After years of research supported by hundreds of Wheatens, their owners and breeders, Drs. Meryl Littman and Paula Henthorn at Penn Vet identified mutations associated with PLN in two genes
- As a result of the research, interest has increased in using some deceased dogs' frozen semen.
- This guide is designed to assist those owners with how to submit frozen semen to Penn for testing
- Continue to watch the website for more information

<http://www.scwtca.org/health/dnatest.htm>





Guidelines

What you need

- 100 microliters of semen is required for testing.
- Go onto the PennGen website, log into (or create) your account, create the submission for your dog and print it out. (See the PennGen guides if you need assistance with the website:
<http://www.scwtca.org/health/dnatest.htm>).

Preparation & Shipping

- Include the PennGen submission form with your semen.
- The semen does **NOT** need to be sent frozen or chilled.
- If you are sending a straw, please make sure it is in a tube or other **sealed** receptacle. The straws sometimes leak as they thaw.
- Do **NOT** use the US Postal Service as the package may be delayed at Penn. Instead, use a private service such as FedEx, DHS or UPS
- Do **NOT** send it to arrive on the weekend.
- Contact Michael Raducha at 215-898-5703 prior to sending.

Results

- Results may take longer to receive so plan ahead.
- As with all samples submitted, you will receive an email when the results are ready. At that time, log into your account, pay the fee and you will receive the results.





For more information

Check the SCWTCA website for:

- Audio of Dr. Meryl Littman's presentation on May 5, 2012FAQs for owners and breeders
- Research abstract presented at Tufts in 2011
- Guides to taking and submitting samples
- Contact information for more assistance
- ...and watch for more resources

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