



# North American Shagya-Arabian Society, Inc.

A 501 (c) (5) Tax Exempt Organization

[www.Shagya.net](http://www.Shagya.net)

## DNA TYPING TEST REQUEST FORM

### Horse:

Name of Horse: \_\_\_\_\_

Sex: \_\_\_\_\_ Color: \_\_\_\_\_

Registry Number: \_\_\_\_\_ Date of Birth: \_\_\_\_\_

Sire: \_\_\_\_\_ Registry: \_\_\_\_\_ Number: \_\_\_\_\_

Dam: \_\_\_\_\_ Registry: \_\_\_\_\_ Number: \_\_\_\_\_

### Owner:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Country: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Numbers: \_\_\_\_\_

E-mail: \_\_\_\_\_

Signature of Recorded Owner: \_\_\_\_\_

Signature of person taking sample: \_\_\_\_\_

Date: \_\_\_\_\_

See page 2 for instructions

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**Tape ~30~ hair strands with follicles in area below.**

**DO NOT TAPE OVER FOLLICLES !!!!**

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### Payment: \$40

NASS Accepts PayPal:

Please make payment c/o: NASS Treasurer, Beverly Thompson:

Treasurer@Shagya.net

Please note of what Payment is for.

One may also pay via a check made out to NASS.

Please send to:

Bev Thompson, NASS Treasurer

2345 S. Washington Rd.

Columbia City, IN 46725

### Mail completed DNA Request Form to:

Elaine Kerrigan

NASS Registrar

1479 Freshwater Rd.

Eureka, CA. 95503



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### Directions for DNA Typing:

#### **HAIR FOLLICLES:**

Hair follicles are an easy source of DNA for parentage testing. For a mature animal, collect ~30~ hairs with follicle (bulbs) attached from the mane – take a comb, wrap around the hair and yank! Mane hairs in foals tend to be brittle, so the tail hair is a better source for collection.

The hair follicle sample can be sent in an envelope by standard mail – no need for refrigeration or overnight delivery.

DNA testing is available to generate DNA types and perform parentage testing. The University of Kentucky uses a panel of 13 microsatellite markers for standard testing. DNA can be extracted from hair, blood or any tissue.

DNA types and Bloodtypes are NOT interchangeable. The lab may be able to perform a parentage analysis on a foal that has been DNA typed but whose parents have been bloodtyped if the lab has stored serum samples for the parents that were previously bloodtyped for NASS. **Contact the NASS registrar if you wish to have this ordered.** The charge is \$40 per parent.

#### **BLOOD SAMPLES:**

DNA testing can also be performed on a new sample of whole blood. Please call the University of Kentucky laboratory for directions on collection and shipping of whole blood. The sample must be sent directly to the University of Kentucky laboratory. Their phone number is 859-257-1165.

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