



# DNA REQUEST FORM \$50

NAME OF HORSE \_\_\_\_\_ REGISTRATION # \_\_\_\_\_

NAME OF SIRE \_\_\_\_\_ REG# OF SIRE \_\_\_\_\_

NAME OF DAM \_\_\_\_\_ REG# OF DAM \_\_\_\_\_

SEX \_\_\_\_\_ DATE OF FOALING \_\_\_\_\_ COLOR \_\_\_\_\_

THIS REQUEST IS ONLY FOR DNA MARKERS OF SAID HORSE \_\_\_\_\_ Yes or No

THIS REQUEST IS FOR PARENT VERIFICATION \_\_\_\_\_ (Yes or No)

IF REQUEST IS FOR VERIFICATION,  
INCLUDE THE UD-DAVIS CASE FILE FOR THE FRIESIAN \_\_\_\_\_

### OWNER INFORMATION;

FIRST NAME \_\_\_\_\_ LAST NAME \_\_\_\_\_

ADDRESS: \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PHONE: \_\_\_\_\_ EMAIL \_\_\_\_\_

### Collecting Hair Sample:

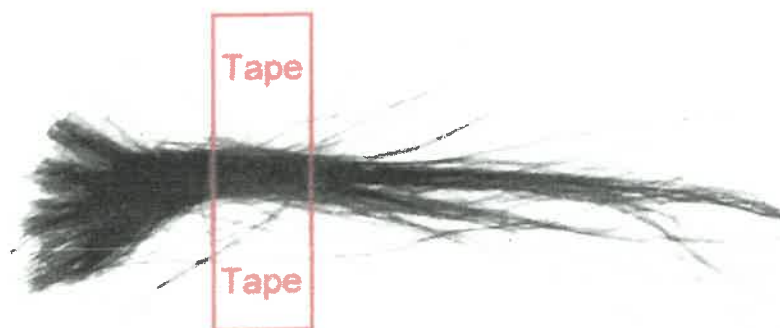
Pull 40-50 hairs from the horse's mane by the withers. Pull 15-20 at a time.  
Pull hair straight out with root bulbs attached. DNA is extracted from the bulbs  
DO NOT TOUCH THE BULBS There must be bulbs at ends of hair shaft.

TAPE THE HAIRS AT THE BOTTOM OF AND IN THE MIDDLE OF THIS PAGE.  
FOLD THIS PAPER IN THIRDS AND MAIL WITH CHECK OF \$50,

TO:  
FRIESIAN SPORT HORSE REGISTRY, 4269 MOLITOR ROAD, OCONTO WI 54153

Toll free; 800-368-0904 fax; 360-230-3280  
Email: tvalley8@netnet.net Website: www.fshr.us

Hair sample should look something like this:





## Horse Coat Color Panel

[Home](#) • [DNA Tests](#) • [Horse](#) • [Horse Coat Color Panel](#)

### Description



The horse coat color panel bundles together several diagnostic tests to evaluate coat color.

Panel can be purchased on [MyVGL](#). See below for pricing and list of specific tests included in panel.

***Note:** Gray test included in this panel only detects presence or absence of gray. The panel report does not provide the number of copies (zygosity) of the gray gene. If zygosity information is desired, please order the individual gray test [here](#).*

### Price

**\$80 per animal**

## Turnaround time

At least 15 business days

## Tests in This Panel

### Red Factor

The extension gene, or red factor, determines whether a horse will have a chestnut base coat color or a black or bay base coat color.

### Agouti (Bay/Black)

The agouti gene controls the distribution of black pigment, and determines whether a horse will have a bay or black base coat color.

### Champagne

Champagne is a coat color dilution responsible for diluting both red and black pigment as well as causing pinkish/lavender skin and amber-colored eyes.

### Cream

Cream is a dilution that causes the palomino, buckskin, smoky black, cremello, perlino, and smoky cream coat colors.

### Dun Dilution

Dun is a coat color dilution characterized by lightening of the coat, with the head, lower legs, mane, and tail undiluted. Oftentimes, dun is also characterized by "primitive markings" such as a dark dorsal stripe, barring of the legs, shoulder stripes, and "cobwebbing" on the forehead.

### Gray

The gray gene causes progressive depigmentation of the hair, often resulting in a color that is almost completely white by 6-8 years of age. The individual gray test will determine the number of copies of the gray allele (zygosity). The coat color panel tests detect presence or absence of the gray allele.

### Pearl

Pearl is a coat color dilution that is characterized by a dilution of the coat, mane, and tail as well as a lightening of the skin.

### Silver

The silver dilution dilutes black/brown pigment to lighten the manes and tails of black and bay horses to a flaxen or silver gray. The silver dilution is also associated with an inherited ocular syndrome known as Multiple Congenital Ocular Anomalies (MCOA).

## Type of Sample

[20-30 Hairs With Roots](#)

# FRIESIAN SPORT HORSE REGISTRY

## DNA COLOR TEST FORM

DNA color testing is done through UC-Davis of California. Pull 30-40 mane hairs by the roots. Pull the hairs, do not cut. Hairs must have root bulbs. Do not touch the root bulbs.

Fill out form and mail with hairs taped to proper section on this paper.

Colors tested are: Circle the number(s) PRICE IS \$80/horse

- |                       |                 |
|-----------------------|-----------------|
| 1. Red Factor         | 5. Dun Dilution |
| 2. Agouti (Black/Bay) | 6. Gray         |
| 3. Champagne          | 7. Pearl        |
| 4. Cream              | 8. Silver       |

NAME OF HORSE \_\_\_\_\_ REGISTRATION # \_\_\_\_\_

COLOR/DESCRIPTION \_\_\_\_\_ SEX \_\_\_\_\_

OWNER \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE \_\_\_\_\_ EMAIL \_\_\_\_\_

Place roots here Do not tape roots	Tape Here	Place the rest of the hair here. Coil and tape if necessary.
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Mail fee, form and hairs to:

FRIESIAN SPORT HORSE REGISTRY  
4269 MOLITOR ROAD  
OCONTO, WI 54153