



LETHAL WHITE OVERO - RED FACTOR - AGOUTI - CREAM DILUTION SUBMISSION FORM

Veterinary Genetics Laboratory - Coat Color Testing

One Shields Avenue (for regular U.S. Postal Service mail)
 Old Davis Road (for overnight deliveries via FedEx, UPS, DHL or similar carrier)
 University of California, Davis, CA 95616-8744
 (530) 752-2211 FAX (530) 752-3556 http://www.vgl.ucdavis.edu/

(Copy as needed)

Results will **EITHER** be (1) mailed and e-mailed; **OR** (2) mailed and faxed to address provided below:

(PLEASE PRINT LEGIBLY OR TYPE)

Owner/Agent Name: _____
 Address: _____

 City, State, Zipcode: _____
 Phone (include area code): _____
 FAX (include area code): _____
 E-mail address for results: _____

NOTE: Multiple test prices effective for THIS request only!

Check one or more tests (boxes) below: Fees for 1=\$50; 2=\$75; 3=\$100	
<input type="checkbox"/>	Lethal White Overo - identifies carriers of lethal white foal syndrome
<input type="checkbox"/>	Red Factor and Agouti - RF-red pigment (chestnut) vs. black pigment (bay&black) - Agouti - bay vs. uniform black
<input type="checkbox"/>	Cream Dilution -dilution of basic colors of chestnut, bay&black

VGL OFFICE USE ONLY	
Check #	_____
Amount	_____
Date	_____

I hereby certify that the horse described below by name and number is the horse from which the sample was taken.

Person taking sample: _____

 Print name Signature Date sample taken

HORSE SAMPLED						PARENTS OF HORSE SAMPLED			
Registered Name of horse <small>Only one horse per form</small>	Registration #	Year of Birth	Breed **	Sex (Circle)		Sire and Dam	Name of horse	Color **	Registration #
				Stallion	Mare				
				<input type="checkbox"/>	<input type="checkbox"/>	S			
				<input type="checkbox"/>	<input type="checkbox"/>	D			

Instructions:

- To assist with continuing research, please attach a color photograph of horse. **Photos will not be returned.**
- Send 30-50 mane or tail hairs pulled with roots attached in a business size envelope preferred.
- Label envelope with the horse's name as indicated on the paperwork or registration papers.
- Include a check for appropriate amount (see above) payable to U.C. Regents for the lab fee.
- Non-U.S.** checks must have "U.S. Dollars" or "USD" imprinted **by a bank.**
- Samples from foreign countries **MUST** be accompanied by a current USDA import permit.
- Visa/MasterCard can be used for payment by completing the box to the right.
- Send package first class mail or via any two-day or next-day service to address shown above.
- Samples will not be tested until payment is received.

Credit Card Information	
Print customer name as it appears on card:	
Account:	Expiration Date:
Daytime Phone Number: () VISA MC	
Signature of Cardholder	

Results:

- One** copy will be mailed to the address in upper left corner.
- Results will also be emailed or faxed if information is provided above.
- All results are **confidential**. The Veterinary Genetics Laboratory **will not provide** results by phone and results will only be released to person listed in left hand corner.

Original records will be maintained on permanent file at UC Davis Veterinary Genetics Laboratory

BREED CODES

Code	Breed
AN	= Andalusian
AP	= Appaloosa
AR	= Arabian
AS	= American Sport Horse
AT	= Akhal Teke
AW	= American Warmblood
AZ	= Azteca
BA	= Spanish Barb
BE	= Belgian
BW	= Belgian Warmblood
CB	= Cleveland Bay
CD	= Cream Draft
CL	= Clydesdale
CO	= Connemara Pony
CR	= Criollo
CU	= Curly
DA	= Danish Warmblood
DO	= Donkey, Ass, Burro
DW	= Dutch Warmblood
EX	= Exmoor Pony
FL	= Fell Pony
FR	= Friesian
FT	= Missouri Fox Trotter
FW	= French Warmblood (Selle Francais)
HA	= Half Andalusian
HF	= Haflinger
HH	= Hackney Horse
HN	= Hanoverian
HO	= Holsteiner
HP	= Hackney Pony
IH	= Irish Hunter
IP	= Iceland Pony
IS	= International Sport Horse
KI	= Kiang
KU	= Kulan
LI	= Lipizzaner
LU	= Lusitano
MA	= Mangalarga
MB	= Moroccan Barb
MF	= Moriesian
MH	= Morgan Horse
MI	= Miniature Horse
MO	= Mongolian Domestic Horse
MP	= Mountain Pleasure
MR	= Morab

Code	Breed
MS	= Mexican Sport Horse
MU	= Mule
NF	= Norwegian Fjord Horse
NS	= National Show Horse
NT	= North American Trakehner
OL	= Oldenburg
ON	= Onager
PF	= Paso Fino
PI	= Performance Horse Int'l
PN	= Percheron
PP	= Peruvian Paso
PT	= Paint Horse
PW	= Polish Warmblood
PZ	= Przewalski
QH	= Quarter Horse
RH	= Racking Horse
RL	= Rheinland
RM	= Rocky Mountain
RO	= Russian Orloff
SA	= Sillo Argentino
SB	= American Saddlebred
SF	= Appalachian Singlefoot
SH	= Shire
SP	= Shetland Pony
ST	= Standardbred
SW	= Swedish Warmblood
SX	= Shire Crossbred
TA	= Tarpan
TB	= Thoroughbred
TC	= Trocha
TG	= Trot and Gallop
TK	= Trakehner
TP	= Trocha and Gallop
TW	= Tennessee Walking Horse
VW	= Virginia Warmblood
WF	= Westfalen
WH	= Wild Horse
WP	= Welsh Pony
XP	= American Sport Pony
XX	= Crossbred (or no breed indicated)
ZA	= Zangersheide
ZC	= Chapman's Zebra
ZG	= Grevy's Zebra
ZH	= Hartmann's Zebra

COLOR CODES (Choose up to 3 letters)

Code	Color
A	= Appaloosa
B	= Bay
BN	= Bay or Brown
K	= Black
N	= Brown
I	= Buckskin
J	= Champagne
C	= Chestnut
CD	= Claybank or red dun
E	= Cremello
D	= Dun
G	= Gray

Code	Color
L	= Liver or liver chestnut
MD	= Mouse dun or grulla
O	= Overo
P	= Palomino
F	= Perlino
R	= Roan
X	= Sabino
Z	= Silver (Dapple)
Y	= Smoky Black
H	= Smoky Cream
S	= Sorrel
T	= Tobiano
U	= Unknown
W	= White



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
TELEPHONE: (530) 752-2211
FAX: (530) 752-3556

ONE SHIELDS AVENUE
DAVIS, CALIFORNIA 95616-8744

EQUINE MULTIPLE COAT COLOR TESTS

- ❖ Red Factor and Agouti
- ❖ Lethal White Overo
- ❖ Cream Dilution

Red Factor (extension) – Red pigment (chestnut) vs. black pigment (bay and black).

Use this test:

- To determine if horse is homozygous for black pigment
- To identify if horses with diluted colors have the black pigment gene.

Agouti – Bay vs. uniform black.

Use this test:

- To determine if a dark horse is bay or black.
- To determine if a chestnut horse could produce basic bay vs. black foal if bred to a black pigmented horse.

Cream dilution – Dilution of basic colors of chestnut, bay and black.

- 1 copy of Cream gene produces palomino, buckskin and smoky black.
- 2 copies of Cream gene produce cremello, perlino and smoky cream.

Lethal White Overo – Identifies carriers of lethal white foal syndrome.

Single Test Fees:

Red Factor and Agouti*	=	\$50.00
Lethal White Overo	=	\$50.00
Cream Dilution	=	\$50.00

Multiple Test Fees:

1	test	=	\$50.00
2	tests	=	\$75.00
3	tests	=	\$100.00

*Red Factor and Agouti will be billed as a single test.

Note: To take advantage of the multiple test prices (for each horse), appropriate boxes must be checked on the sample submission form.

Download the new Sample Submission Form from our web site: www.vgl.ucdavis.edu

For additional information on coat color, visit our web site: www.vgl.ucdavis.edu