

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



Veterinary Genetics Laboratory
Coat Color Testing, One Shields Avenue (Old Davis Road - for overnight delivery purposes)
University of California, Davis, CA 95616-8744
(530) 752-2211 FAX (530) 752-3556 http://www.vgl.ucdavis.edu/

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

(Please print legibly or type)

NOTE: Multiple test prices effective for THIS request only!

Name: _____

Address: _____

City, State: _____

Zip Code: _____

Telephone: _____

FAX _____

(with area code): Dedicated FAX Number Only

E-mail address _____

for results: _____

Check one or more tests (boxes) below:
Fees for 1=\$50; 2=\$75; 3=\$100
[] Lethal White Overo
- identifies carriers of lethal white foal syndrome
[] Red Factor and Agouti
- RF-red pigment (chestnut) vs. black pigment (bay&black)
- Agouti - bay vs. uniform black
[] 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: _____

Table with columns: HORSE SAMPLED (Registered Name, Registration #, Year of Birth, Breed, Sex, Color) and PARENTS OF HORSE SAMPLED (Sire and Dam, Name of horse, Color, Registration #). Includes sex indicators S, D.

Instructions:

- 1) To assist with continuing research, please attach a color photograph of horse. Photos will not be returned.
2) Send 30-50 mane or tail hairs pulled with roots attached in #10 business size envelope.
3) Label envelope with the horse's name as indicated on the paperwork or registration papers.
4) Include a check for appropriate amount (see above) payable to U.C. Regents for the lab fee. (Your veterinarian may charge an additional fee.)
5) Non-U.S. checks must have "U.S. Dollars" or "USD" imprinted by a bank.
6) Samples from foreign countries MUST be accompanied by a current USDA import permit.
7) Visa/MasterCard can be used for payment by box to the right.
8) Send package first class mail or via any two-day or next-day service to address shown above.

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

Results:

- 1) All results are confidential. The Veterinary Genetics Laboratory will not provide results by phone and results will only be released to person listed above.
2) One copy will be mailed to the address in upper left corner.
3) Samples will not be tested until payment is received.
4) Results will also be e-mailed or faxed if information is provided above.

BREED CODES

Code	Breed	Code	Breed
AN	= Andalusian	MS	= Mexican Sport Horse
AP	= Appaloosa	MU	= Mule
AR	= Arabian	NF	= Norwegian Fjord Horse
AS	= American Sport Horse	NS	= National Show Horse
AT	= Akhal Teke	NT	= North American Trakehner
AW	= American Warmblood	OL	= Oldenburg
AZ	= Azteca	ON	= Onager
BA	= Spanish Barb	PF	= Paso Fino
BE	= Belgian	PI	= Performance Horse Int'l
BW	= Belgian Warmblood	PN	= Percheron
CB	= Cleveland Bay	PP	= Peruvian Paso
CD	= Cream Draft	PT	= Paint Horse
CL	= Clydesdale	PW	= Polish Warmblood
CO	= Connemara Pony	PZ	= Przewalski
CR	= Criollo	QH	= Quarter Horse
CU	= Curly	RH	= Racking Horse
DA	= Danish Warmblood	RL	= Rheinland
DO	= Donkey, Ass, Burro	RM	= Rocky Mountain
DW	= Dutch Warmblood	RO	= Russian Orloff
EX	= Exmoor Pony	SA	= Sillo Argentino
FL	= Fell Pony	SB	= American Saddlebred
FR	= Friesian	SF	= Appalachian Singlefoot
FT	= Missouri Fox Trotter	SH	= Shire
FW	= French Warmblood (Selle Francais)	SP	= Shetland Pony
HA	= Half Andalusian	ST	= Standardbred
HF	= Haflinger	SW	= Swedish Warmblood
HH	= Hackney Horse	SX	= Shire Crossbred
HN	= Hanoverian	TA	= Tarpan
HO	= Holsteiner	TB	= Thoroughbred
HP	= Hackney Pony	TC	= Trocha
IH	= Irish Hunter	TG	= Trot and Gallop
IP	= Iceland Pony	TK	= Trakehner
IS	= International Sport Horse	TP	= Trocha and Gallop
KI	= Kiang	TW	= Tennessee Walking Horse
KU	= Kulan	VW	= Virginia Warmblood
LI	= Lipizzaner	WF	= Westfalen
LU	= Lusitano	WH	= Wild Horse
MA	= Mangalarga	WP	= Welsh Pony
MB	= Moroccan Barb	XP	= American Sport Pony
MF	= Moriesian	XX	= Crossbred (or no breed indicated)
MH	= Morgan Horse	ZA	= Zangersheide
MI	= Miniature Horse	ZC	= Chapman's Zebra
MO	= Mongolian Domestic Horse	ZG	= Grevy's Zebra
MP	= Mountain Pleasure	ZH	= Hartmann's Zebra
MR	= Morab		

COLOR CODES (Choose up to 3 letters)

Code	Color	Code	Color
A	= Appaloosa	L	= Liver or liver chestnut
B	= Bay	MD	= Mouse dun or grulla
BN	= Bay or Brown	O	= Overo
K	= Black	P	= Palomino
N	= Brown	F	= Perlino
I	= Buckskin	R	= Roan
J	= Champagne	X	= Sabino
C	= Chestnut	Z	= Silver (Dapple)
CD	= Claybank or red dun	H	= Smoky Cream
E	= Cremello	S	= Sorrel
D	= Dun	T	= Tobiano
G	= Gray	U	= Unknown
		W	= White



VETERINARY GENETICS LABORATORY
SCHOOL OF VETERINARY MEDICINE
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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