



Equine Test Results

Shown below are your horse testing results for samples received within the last year. Results are usually available within 2 to 4 business days after Animal Genetics receives your samples. Below your results is a result guide with an explanation for each of the possible symbols used.

Account # **110628**

Date R	Reg#	Breed	Name	LWO	Red Factor	HERDA	GBED	PSSM1
1/6/2012	938,647	Paint Horse	Invite The Artist	nn	Ee	N/N	N/N	n/n

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Result Guide:

LWO

OO	Tested homozygous positive for the lethal white overo gene. LETHAL condition.
nO	Both non-overo and overo alleles detected. Horse tested heterozygous for LWO and can be considered an overo carrier.
nn	Tested negative for the frame overo gene. Horse can be considered a non-carrier.

Red Factor

ee	Only the red factor detected. The horse tested homozygous for red pigment. The basic color is chestnut or sorrel, but depending on genes at other color loci, the horse could be red dun, palomino, cremello, gray or white.
Ee	Both black and red factors detected. The horse tested heterozygous for the red factor. It can transmit either E or e to its offspring. The basic color of the horse will be black, bay or brown, but depending on genes at other color loci, the horse may be buckskin, zebra dun, grullo, perlino, gray, or white.
EE	Only the black factor detected. The horse tested homozygous for black pigment. It cannot have red foals regardless of the color of the mate. The basic color of the horse will be black, bay or brown, but depending on genes at other color loci, the horse may be buckskin, zebra dun, grullo, perlino, gray or white.

HERDA

HrdHrd	The horse carries two copies of the HERDA gene and is homozygous for HERDA. The horse is affected with the HERDA genetic disorder.
nHrd	Both the normal and HERDA alleles were detected. Horse tested heterozygous for HERDA and is a carrier of the HERDA gene.
nn	Horse tested negative for the HERDA gene.

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