



**AMERICAN QUARTER HORSE GENETIC HEALTH  
 PANEL TEST REPORT**

<b>Client/Owner/Agent Information:</b> AMERICAN QUARTER HORSE ASSOCIATION		<b>Date Received:</b> 19-Oct-2015 <b>Report Issue Date:</b> 16-Feb-2023 <b>Report ID:</b> 5272-7864-4882-9075 <b>Reissue of:</b> 4839-7835-8188-6144
<b>Provided Information:</b> <b>Name:</b> <b>MAGICALITY</b> <b>Registration:</b> <b>5353239</b>		
<b>YOB: 2010 Sex: Stallion Breed: Quarter Horse Alt. ID: 6277009</b>		
<b>Sire:</b> VERY SMART REMEDY <b>Reg:</b> 3919926 <b>Microchip:</b>	<b>Dam:</b> MAGICAL LENA <b>Reg:</b> 3413223 <b>Microchip:</b>	

**RESULT**

**INTERPRETATION**

Glycogen Branching Enzyme Deficiency (GBED)	N/N	Normal. No copies of the GBED allele detected.
Hereditary Equine Regional Dermal Asthenia (HERDA)	N/HRD	Carrier. One copy of the HERDA allele detected.
Hyperkalemic Periodic Paralysis (HYPP)	N/N	Normal. No copies of the HYPP allele detected.
Malignant Hyperthermia (MH)	N/N	Normal. No copies of the MH allele detected.
Polysaccharide Storage Myopathy Type 1 (PSSM1)	N/N	Normal. No copies of the PSSM1 allele detected.

**Additional Information**

If testing for a disease or a disorder was performed and results indicate the animal is affected or at risk, we recommend contacting your veterinarian for further clinical evaluation and for additional information on disease and management.

For more detailed information on American Quarter Horse Genetic Health Panel test results, please visit our website at: [www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel](http://www.vgl.ucdavis.edu/panel/quarter-horse-disease-panel)

**License Information**

The GBED test is performed under a license agreement with the University of Minnesota.

Results are determined using PCR-based methods. The results relate only to the sample tested as identified by the submitter (for example, identity and/or breed).

Report authorized by Dr. Rebecca Bellone, VGL Director

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## Equine Genetic Testing Report



**Submitted By**

Debbie Patterson  
Brazos Valley Stallion Station LP  
21351 N US Hwy 377  
Stephenville, TX 76401

**Subject Horse**

Date Received: 3/22/2022

Horse Name: **Magicality**  
Breed: Quarter Horse  
Phenotype: Brown  
Sex: Stallion

Lab Reference #: 00164960  
Registration: 5353239  
Birth: 2010

**Sire**

Sire Name: Very Smart Remedy  
Breed: Quarter Horse  
Registration:  
Phenotype: Sorrel

**Dam**

Dam Name: Magical Lena  
Breed: Quarter Horse  
Registration:  
Phenotype: Brown

**Coat Color and Pattern Testing**

Tobiano	Not Tested
Frame Overo	Not Tested
Sabino 1	Not Tested
Splashed White 1	Not Tested
Splashed White 2	Not Tested
Splashed White 3	Not Tested
Appaloosa (LP)	Not Tested
PATN1	Not Tested
Red/Black Factor	Not Tested
Agouti	Not Tested
Cream Dilution	Not Tested
Dun Dilution	Not Tested
Silver Dilution	Not Tested
Champagne	Not Tested
Pearl Dilution	Not Tested
Gray	Not Tested

**Genetic Disorders**

	HYPP		Not Tested
	HERDA		Not Tested
	GBED		Not Tested
	MH		Not Tested
<b>X</b>	IMM	N/N	Horse tested negative for the mutation associated with IMM.
	PSSM 1		Not Tested
	FIS		Not Tested
	JEB1		Not Tested
	JEB2		Not Tested
	CA		Not Tested
	LFS		Not Tested
	SCID		Not Tested
	OAAM1		Not Tested
	WFFS1		Not Tested

**Additional Comments**

None

**Genetic Marker Results**

Run Date: Not Tested

-	-	-	-	-	-	-
AHT4	AHT5	ASB17	ASB2	ASB23	AME	CA425UK
-	-	-	-	-	-	-
HMS3	HMS6	HMS7	HTG10	HTG4	LEX3	LEX33
-	-	-	-	-	-	-
VHL20	UM011	HMS1	HMS2	HTG6	HTG7	

## EQUINE JUVENILE SPINOCEREBELLAR ATAXIA TEST REPORT

<p><i>Provided Information:</i></p> <p><i>Name:</i>           <b>MAGICALITY</b></p> <p><i>Registration:</i>   <b>5353239</b></p>	<p><i>Case:</i>               <b>NQ119429</b></p> <p><i>Date Received:</i>    29-Jan-2025</p> <p><i>Report Issue Date:</i> 03-Feb-2025</p> <p><i>Report ID:</i>         5427-3886-4388-6075</p> <p style="text-align: center; font-size: small;">Verify report at <a href="http://vgl.ucdavis.edu/verify">vgl.ucdavis.edu/verify</a></p>
<p><i>DOB:</i> <b>04/03/2010</b>   <i>Sex:</i> <b>Stallion</b>   <i>Breed:</i> <b>Quarter Horse</b></p>	
<p><i>Sire:</i>   VERY SMART REMEDY</p> <p><i>Reg:</i>   3919926</p> <p><i>Microchip:</i></p>	<p><i>Dam:</i>   MAGICAL LENA</p> <p><i>Reg:</i>   3413223</p> <p><i>Microchip:</i></p>

**RESULT**

**INTERPRETATION**

<p><b>Equine Juvenile Spinocerebellar Ataxia</b></p>	<p><b>N/N</b></p>
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Normal. No copies of the allele associated with equine juvenile spinocerebellar ataxia (EJSCA) detected.