



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

ONE SHIELDS AVENUE  
 DAVIS, CALIFORNIA 95616-8744

## HYPP REPORT

DAVID SCARBOROUGH  
 1029 ASHDON LANE  
 MURPHY, TX 75094

**Case:** HYP89562  
**Date Received:** 22-Nov-2005  
**Report Date:** 29-Nov-2005

**Horse:** ROCK ON INDIA

**Reg:** 4476255

**YOB:** 03 **Breed:** QH **Sex:** M

**Sire:** PRIME TIME ART

**Reg:** 3779694

**Dam:** DANDY FLASH DOLL

**Reg:** 2707806

## HYPP TEST RESULT

N/N

### Result Codes:

H/H = Hyperkalemic - Homozygous for HYPP (two copies of the HYPP gene).  
 N/H = Hyperkalemic - Heterozygous (one normal and one HYPP gene).  
 N/N = Normal - Does not possess the disease-causing HYPP gene.

The disease is inherited as an autosomal dominant trait, which means that a heterozygote (N/H) bred to a normal (N/N) will result in approximately half of the offspring being affected and half being normal. The homozygote (H/H) is usually severely affected with the disease.

The test indicates the presence or absence of a base pair substitution in the skeletal muscle sodium channel gene. The abnormal gene codes for a defective sodium channel protein that causes the disease Hyperkalemic Periodic Paralysis (HYPP).