



College of  
**Veterinary Medicine**

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**Animal Health Diagnostic Center**  
240 Farrler Road, Cornell University, Ithaca, NY 14853  
Ph: 607-253-3900 Fax: 607-253-3943  
<https://ahdc.vet.cornell.edu>

Owner: Liz Carman

## Finalized Report

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### Virology

Director Dr. Diego Diez - 607-253-3900

Test	Result	Reference Interval
<b>1 Spirit - Equine Pony, Nos Castrate</b>		
Serum		
Equine Hepacivirus (EqHV) (Non Primate Hepacivirus - Not Detected	CI Value: >=45	
Equine Parvovirus PCR	DETECTED	
	CI Value: 26.84	

### Test Interpretations

#### Equine Parvovirus PCR

Currently in the equine, there are at least 4 viruses that can establish a chronic/persistent infection. Three (EqHV-NPHV, TDAV, and EqPeg) are in the family Flaviviridae, genus Hepacivirus which also contains the human hepatitis C virus. The fourth virus (EqPV) is in the family Parvoviridae and is yet unclassified as to genus. All four of the viruses were studied for their possible association with liver disease in equines. Only two of the viruses – EqHV and EqPV – were found to be hepatotropic.

#### Equine Hepacivirus (EqHV) (Non Primate Hepacivirus - NPHV) PCR

Equine parvovirus (EqPV) and Equine hepacivirus (EqHV-NPHV) have been associated with liver disease in horses. Equine parvovirus (EqPV) has been associated with acute hepatic disease and both EqPV and EqHV can cause chronic/persistent infections leading to prolonged viral detections in blood and serum. Variable levels of viremia with intermittent viral detections in serum or blood are also common findings with these viruses. PCR results for these agents should be interpreted in conjunction with other clinical parameters that suggest hepatic disease.

NOTE: AHDC testing fees will be adjusted effective January 1st. The updated price list is available on our website at [bit.ly/FeeUpdate](http://bit.ly/FeeUpdate)

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