

<b>Testing Lab:</b>	TVMDL - Canyon	<b>Client:</b>	Weems & Stephens Equine Hospital
<b>Case Coordinator:</b>	Owais Khan, DVM, MS, DACVM		5960 Hospital Road
<b>Date Received:</b>	07/12/2022		Aubrey, TX 76227
<b>Report Date:</b>	07/13/2022	<b>Owner:</b>	Valor Farm
		<b>Veterinarian:</b>	David Stephens, DVM

## FINAL REPORT

**Medical History:** Medical history not received.  
**Animal ID:** Vertical Horizon Horse :: Thoroughbred  
**Specimen:** Ocular/Nasal/Pharyngeal :: Wash **Collection Date:** 07/11/2022

### MOLECULAR DIAGNOSTICS

**Test:** Streptococcus equi (rtPCR)

Animals::Specimens	Collection Date	Strep. equi ss. zooepidemicus	Ct Value	Strep. equi ss. equi	Ct Value
Vertical Horizon ::	07/11/2022	Not Detected		Not Detected	
Ocular/Nasal/Pharyngeal :: Wash					

#### Section Comments

*Streptococcus equi* (rtPCR) tests for two gene targets: sodA and seeI. If only the sodA gene is amplified, the specimen is positive for *Streptococcus equi* subsp. *zooepidemicus*. If both sodA and seeI genes are amplified, the specimen is positive for *Streptococcus equi* subsp. *equi*. If both genes are expressed, a mixed infection of *Streptococcus equi* subsp. *equi* and *Streptococcus equi* subsp. *zooepidemicus* is possible. If neither sodA or seeI genes amplify, the specimen is negative for *Streptococcus equi* subsp. *equi* and *Streptococcus equi* subsp. *zooepidemicus*.

**Authorized by:** Owais Khan, DVM, MS, DACVM  
Virology & Molecular Diagnostics Section Head

**Notice:** This report, including all attachments, is for the sole use of the intended recipient(s) and contains confidential information. Results apply to specimens as received. Any unauthorized review, use, disclosure, alteration, or distribution of this report, in part or its entirety, must be approved by TVMDL.

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**Specimen:** Ocular/Nasal/Pharyngeal :: Wash **Collection Date:** 07/11/2022

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