

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

FINAL REPORT

Medical History: Medical history not received.
Animal ID: Kiss On The Horizon 2021 Horse :: Thoroughbred / 1 years
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
Kiss On The Horizon 2021 :: Ocular/Nasal/Pharyngeal :: Wash	07/11/2022	Not Detected		Not Detected	

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

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