

Longhorn website information on Dairy HPAI response 04022024

We are providing the following information regarding PrimeStore® MTM for potential use for sample collection from cattle suspected of being infected with avian influenza virus. If you are referred to us by USDA Veterinary Services or your veterinary diagnostic laboratory, please contact Dr. Jerry Torrison, Sr VP of Animal Health at jerryt@lhnvd.com.

QUESTIONS:

1. Can PrimeStore® MTM be used for sample collection for avian influenza virus PCR testing?
 - PrimeStore® MTM is FDA cleared as a Class II device specifically for collection of samples suspected of containing influenza A virus: https://www.accessdata.fda.gov/cdrh_docs/reviews/DEN170029.pdf
 - The USDA National Veterinary Services Laboratory reported that PrimeStore® MTM is effective for inactivation of avian influenza, stating: “The results of this study may be utilized by diagnostic testing laboratories for highly pathogenic agents affecting animal and human populations.” (Welch JL, Shrestha R, Hutchings H, Pal N, Levings R, Robbe-Austerman S, Palinski R and Shanmuganatham KK (2024) Inactivation of highly transmissible livestock and avian viruses including influenza A and Newcastle disease virus for molecular diagnostics *Front. Vet. Sci.* 11:1304022. doi: 10.3389/fvets.2024.1304022).
 - The USDA Wildlife Services uses PrimeStore® MTM for wild bird avian influenza sample collection, shipping, testing, sequencing and storage.
 - APHIS NVSL approval is required for other uses.
2. Can milk samples be collected and submitted in PrimeStore® MTM?
 - The USDA National Veterinary Services Laboratory reported on an evaluation of PrimeStore® MTM for milk sample testing for *Mycobacterium bovis* in a recent publication. (Zeineldin, M.M.; Lehman, K.; Camp, P.; Farrell, D.; Thacker, T.C. Diagnostic Evaluation of the IS1081-Targeted Real-Time PCR for Detection of *Mycobacterium bovis* DNA in Bovine Milk Samples. *Pathogens* 2023, 12, 972. <https://doi.org/10.3390/pathogens12080972>).
 - APHIS NVSL approval is required for other uses.