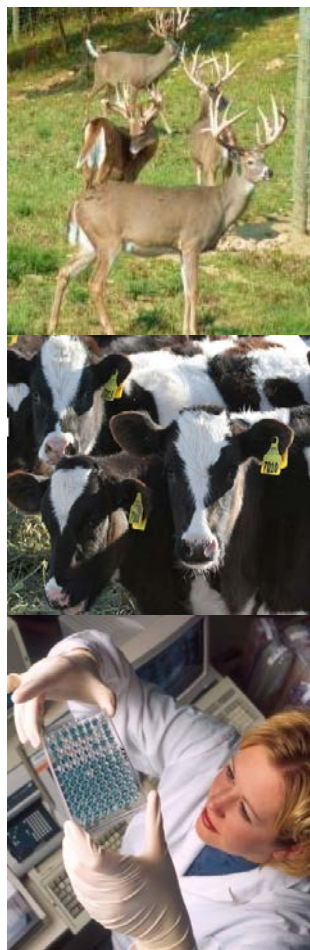




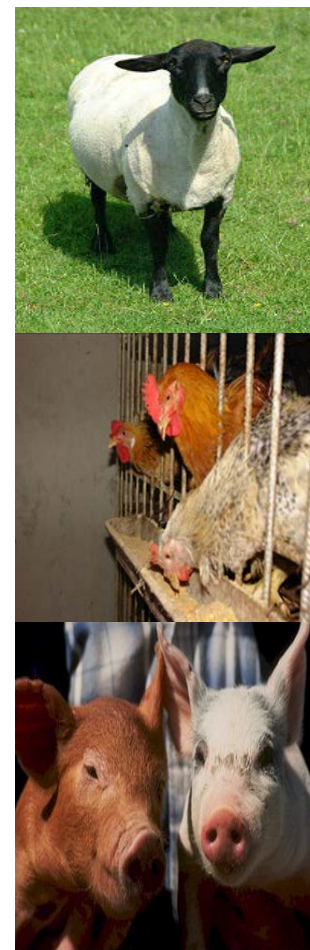
Veterinary Services



Update on CEM PCR at NVSL

Nita Grause
Microbiologist

U.S. Department of Agriculture
Animal and Plant Health Inspection Service
Veterinary Services
STAS
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Contagious Equine Metritis PCR

- NVSL current status
 - Current PCR
 - Used for species differentiation between *Taylorella equigenitalis* and *T. asinigenitalis*
 - Used recently to directly evaluate semen samples from a positive stallion
 - Positive with very high numbers
 - Detection still lower than culture
 - Samples also provided to Gluck Research Center

CEM PCR

- NVSL current status
 - Development stage
 - Evaluating DNA extraction methods
 - Early stages of new PCR development
 - Sample acquisition for test validation
 - Bank of positive and negative swabs
 - Obtaining semen from positive stallions
 - Obtaining swabs from higher risk horses
 - International collaboration?

CEM PCR

- Upon completion of new test development
 - Perform a comparison of available PCRs
 - Evaluate whether one or multiple PCR protocols are appropriate for testing swabs
 - Criteria: Sensitivity equal to or greater than culture

Acknowledgement

Thank you to Dr. Kristina Lantz for providing these slides.

Please contact Dr. Lantz at
Kristina.Lantz@aphis.usda.gov

Questions?

