RESOLUTION NUMBER: 19    APPROVED

SUBJECT MATTER: Efficient Diagnostic Sample Validation and Approval for Foreign Animal Diseases of Swine

BACKGROUND INFORMATION:

Swine oral fluids have been used extensively for disease surveillance in swine populations and pen-based oral fluid samples improves detection over single-animal testing. Since 2011, the Pork Checkoff has funded 9 research studies related to assay development, diagnostic performance, and validation of swine oral fluids for foreign animal diseases. The United States Department of Agriculture (USDA), Animal and Plant Health Inspection Services, Veterinary Services has completed a series of swine oral fluid validation research projects and is currently working on a study looking at pen sensitivity. The Swine Health Information Center, through a USDA Foreign Agricultural Service grant, will fund research into field validation of swine oral fluids for African swine fever (ASF). Research into other aggregate samples types have been funded by the Pork Checkoff to validate meat juice for the detection of antigen and antibody for ASF. Swine processing fluids are gathering more interest as an aggregate sample collected during tail docking and castration to monitor for endemic diseases, and it is anticipated that research will be funded to evaluate this sample type for foreign animal disease (FAD) detection. It is important as the pork industry evolves and adopts aggregate sampling that these sample types are validated and approved by USDA for FAD surveillance prior to and after an FAD outbreak.


RESOLUTION:

The United States Animal Health Association urges the United States Department of Agriculture, Animal and Plant Health Inspection Service, Veterinary Services to work with United States pork industry to validate and approve swine oral fluids, swine processing fluids, and meat juice for detection of antigen and antibody for classical swine fever, African swine fever and foot and mouth disease.