



African Swine Fever Virus complete diagnostics range



In the absence of effective vaccine or treatment and to stop the spread of the disease, the combined use of virus and antibody detection is essential for efficient control programs



A complete technology toolbox: ELISA, LFA, PCR for reliable testing of domestic pigs and wild boar



With more than 40 years of ASFV research, at Gold Standard Diagnostics we offer a full range of diagnostic solutions covering all different diagnostic needs from prevention to early detection and disease eradication

Antibody detection



ELISA

INgezim PPA COMPAC -R.11.PPA.K.3

Blocking ELISA IgG and IgM detection (1)

- For pig and wild boar serum samples.
- >99% Sp & >99,5% Sn respect the WOAHP method
- Validated by EURL (CISA-INIA, Spain)
- Recommended by the WOAHP Reference Laboratory for ASFV

INgezim ASF Ab – R.11.ASF.K.1

Indirect ELISA IgG detection

- For pig and wild boar, serum and blood samples (fresh or on paper) and spleen exudates.
- Particularly useful for poorly-preserved samples



LFA

INgezim ASF Ab – R.11.ASF.K.41

IMPROVED Lateral Flow Assay for Ab detection (2)

- For pig & wild boar serum, plasma & blood samples
- Processing time of 15 minutes
- Sensitivity: >99,9% vs INgezim PPA COMPAC
- Specificity: 99.3% (n=319)

Improved early detection versus Indirect ELISA
94% Sn and 96,1% Sp respect IPMA (wild boar)

Antigen detection



ELISA

INgezim PPA DAS – R.11.PPA.K.2

Double Antibody Sandwich ELISA (1)

- Analytical Sensitivity: detection of antigen in blood from day 7-10 p.i.
- For pig and wild boar blood, serum, exudates, tissues samples
- Market Exclusivity for this reference



LFA

INgezim ASF CROM Ag – R.11.AS2.K.42

IMPROVED Lateral Flow Assay (2)

- For pig and wild boar blood samples
- Analytical Sn: detection of Ag in blood from day 4 p.i.
- Processing time of 15 minutes
- Especially efficient in acute stages of the disease



PCR

INgene q PPA – R.11.PPA.K.5TX/Q

Real-Time PCR kit

- Analytical Sn: LOD95%=10 copies/rxn
- For blood, serum, exudates and tissue samples
- Designed in compliance with WOAHP guidelines
- Validated by the EURL-ASF (CISA-INIA)
- Perfect agreement with the WOAHP reference method (UPL) & better sensitivity than the UPL assay in pooled samples

NEW! Rapid Combined Antigen & Antibody detection

INgezim® ASFV COMBO CROM Ag/Ab -R.11.ASF.K.43



- Lateral Flow Combo Assay for parallel antigen and antibody detection (2)
- Processing time of 15 min
- Widest surveillance window: Including acute & persistent infections and survivors
- 89% diagnostic Sensitivity vs PCR+IPT (n=332 field samples from pig & wild boar)
- 97,4% diagnostic Specificity vs PCR+IPT (n=193 field samples from pig & wild boar)

(1) Evaluation of protection induced by immunisation of domestic pigs with deletion mutant African swine fever virus BeninMGF by different doses and routes. Sanchez-Cordon PJ, Jabbar T, Berrezaie M, Chapman D, Reis A, Sastre P, Rueda, P, Goatley L, Dixon LK. Vaccine. 2018

(2) Aira, Cristina et al. "Simultaneous Detection of Antigen and Antibodies of African Swine Fever in a Novel Combo Lateral Flow Assay." Vaccines vol. 12,3 307. 14 Mar. 2024.