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PRODUCT SPECIFICATION SHEET

PRODUCT SPECIFICATIONS

Product Name: TargetEx ASFV qPCR Diagnostic Kit

Catalogue Number: TGX-044-01

Amount: Kit for 100 reactions

Stability Stable for 9 months

Storage Temperature: -20 °C (Avoid repeated freeze–thaw cycles)

Shipping Condition: Dry ice

Our multiplex ASF Virus qPCR Diagnostic Kit is designed for the detection of African Swine Fever (ASF) virus DNA by quantitative PCR. In addition to the ASF virus-specific FAM™-labelled probe, the assay is capable of detecting endogenous controls (e.g., swine, boar or warthog DNA, probe labelled with HEX™) as well as exogenous controls (probe labelled with Cy5™), ensuring both sample integrity and assay performance.

KIT COMPONENTS

Component	Amount
Reaction mix	100 reactions*
Positive control	50 µL
Negative control	50 µL
Extraction control	50 µL

*The reaction mix includes a 10% excess (final volume: 1650 µL) to ensure compatibility with automated liquid handling systems.

QUALITY CONTROL

Assay Name	Specification
Positive control compliance	The positive control for ASFV consistently yields a quantification cycle (Cq) value between 25 and 35 during qPCR analysis, with fluorescence detected in the FAM channel.
Negative control compliance	The negative control for ASFV consistently yields a quantification cycle (Cq) value between 25 and 35 during qPCR analysis, with fluorescence detected in the HEX channel.
Extraction control compliance	At a 10^{-5} dilution, the extraction control consistently yields a quantification cycle (Cq) value below 35, with fluorescence detected in the Cy5 channel.
No template control measurement	In the NTC experiment, no signal is detected on any channel below a Cq value of 38.

This product is tested and shown to be in compliance with all specifications.