

# GENLISA™ Classical Swine Fever Virus (CSFV) Antigen Rapid Test

**REF** : KAD5041

Ver 1.1

**RUO**

Rapid Test Card for Qualitative Testing for Classical Swine Fever Virus (CSFV) Antigen for Pig in whole blood, plasma and serum.

<b>RUO</b>	For Research Use Only	<b>REF</b>	Catalog Number
	Store At	<b>LOT</b>	Batch Code
	Manufactured By		Biological Risk
	Expiry Date		Consult Operating Instructions

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**REF** KAD5041  40 tests

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## GENLISA™ Classical Swine Fever Virus (CSFV) Antigen Rapid Test

### Introduction:

Classical Swine Fever Virus (CSFV), also known as hog cholera, is a contagious viral disease affecting domestic and wild pigs. It is caused by a virus within the Pestivirus genus of the Flaviviridae family.

The Classical Swine Fever Virus (CSFV) Antigen Rapid Test card is based on fast immuno-chromatography technique to detect CSFV Antigen in porcine serum, plasma and whole blood samples.

### Intended Use:

This kit is for qualitative testing for Classical Swine Fever Virus (CSFV) Antigen to detect CSFV Antigen in porcine serum, plasma and whole blood samples.

### Principle:

The GENLISA™ Classical Swine Fever Virus (CSFV) Antigen strip is based on colloidal gold immuno-chromatography technique to detect Swine fever virus antigen in porcine serum, plasma and whole blood qualitatively. When testing, Swine fever virus antigen in sample combine with monoclonal antibody coated by colloid gold forming complexes, moving forward to the other head. When reaching the T-line, the specific antibody on the membrane capture the complexes and appear a T line, C line appears, means the test is valid.

### Materials Provided:

1. CSFV Antigen Test Card - 40 nos
2. Dropper - 40 nos
3. Instruction Manual

### Material required but not provided:

Single channel pipette: 20-200 µL, 100-1000 µL.

### Storage Information:

- Store between 2°C – 30°C.
- Store in a dry place, away from direct sunlight and humidity
- The expiration date is 24 months from manufacturing date.

### Sample Collection and Handling:

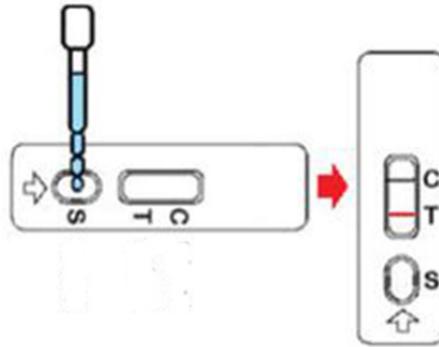
- 1. Whole blood**  
Collect anti-coagulated whole blood, use for that very day
- 2. Serum**  
Collect blood, put at 37°C for 1-2h, take the supernatant, centrifuge at 1500r/min for 10 min, separate the serum. The serum can store for 2-3 days at 4°C, for long term storage, store at -20°C in frozen.

### Assay Procedure:

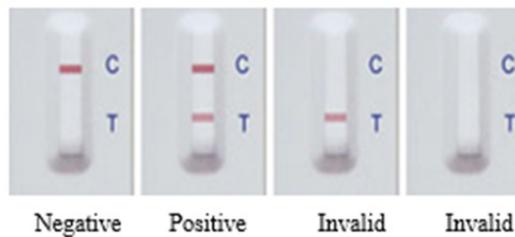
1. Read the manual carefully and return the test card and sample to room temperature before use.

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2. Take out the test card, with the help of the dropper supplied with the kit, add 2-3 drops into well mark “S”; or use Micropipette to transfer 70 ul sample into well mark “S”.
3. Read the results in 15 min at room temperature.



**Interpretation of result:**



1. **Negative:** No color reaction on Test Line (T Line), only on Control Line (C Line) being seen red color reaction. It means there is no Swine fever virus antigen in sample or the levels are lower than the detection threshold.
2. **Positive:** Both on T Line and C line being seen red color reaction. It means there is Swine fever virus antigen in sample.
3. **Invalid:** No color reaction on C Line. It means the operation is wrong or the test card is invalid.

**Procedural Notes:**

1. The test card can be used only once.
2. Do not use an expired test card and/or if the package or card is broken.
3. Do not use pure water, running water and normal saline as Negative Control.
4. Store the test card at room temperature (< 30°C). If stored in a cool place, bring the test card to room temperature, open the pack while avoiding moisture and use.
5. Do not touch the white membrane surface in the middle of the test card when using the test card.
6. To ensure the testing quality, please use fresh samples. If the serum cannot be tested immediately, store at 4°C for a short time (in 48 hours). Store the serum below -20°C for long-term storage.
7. Whole blood samples without anticoagulants should be tested immediately. Whole blood samples with anticoagulants should be tested in 24 hours, do not freeze. Freezing and thawing causes hemolysis of red blood cells, seriously affecting the test results.
8. The antibody level is only related to the color of the 'T' line. There is no relation with the 'C' line. Only if the 'C' line is clearly visible, the test is considered as valid.

## **LIMITED WARRANTY**

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