
SIV Ag Rapid Test Kit

Product Number: T31031

Product Unit: 25T

For veterinary use only

- 1. Precaution**
- 2. Principle**
- 3. Application**
- 4. Kit Components**
- 5. Sample Collection and Pretreatment**
- 6. Test Steps**
- 7. Result interpretation**
- 8. Sensitivity and specificity**
- 9. Limitation of the methodology**
- 10. Storage and period of validity**

Manufacturer Information

Ring Biotechnology Co., Ltd

E-mail: export@ringbio.com diego@nbgen.com Web: www.ringbio.com

Add: Building 3, Zhongtongtai TechnoPark, No. 11, Kechuang 14th St, Beijing 100176, CHINA

Tel: +86-10-56267496 Technical Support & Service: +86-13811393460

1. Precaution

- a) This kit is designed for SIV antigen detection in nasal swabs; make sure you are fully aware of the intended use.
- b) Check the kit package carefully and read this instruction through to confirm the validity of the kit, and the appearance of the package. Only valid kit can be used.
- c) If any damage or leakage were found, please contact your vendor for replacement. Do not use in test unless otherwise agreed by the vendor.
- d) All sample collected may be contagious, please handle carefully according to local laws and regulations. Used test kit and tested sample shall be handle carefully to avoid further contamination.
- e) The test cassette, the buffer and swab shall be used within 5min after opening the foil package. Do not open it without planned experiment.
- f) Do not use component from other sources, otherwise the result is not valid.
- g) The kit is designed for one single use, do not use repeatedly.

2. Principle

The kit is based on sandwich immunochromatographic assay, to detect swine influenza virus antigen in nasal swabs, which is rapid, accurate and easy-to-operate.

3. Application

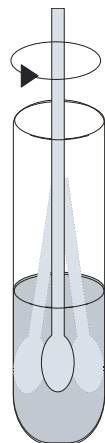
This kit is designed to detect swine influenza virus antigen in nasal swabs. Other applications may be provided upon request.

4. Kit Components

- a) Test Cassette, 25 pcs
- b) Sample buffer, 25 pcs
- c) Disposable pipette, 25 pcs
- d) Swabs, 25pcs
- e) Kit instruction

5. Sample Preparation

Nasal Swabs



Insert swab into pig nose to collect nasal fluid, rub the swab against nasal cavity several time so that the swab is fully soaked with needed sample.

Then insert the swab into sample buffer tube, and then stir and squeeze the swabs against the sample buffer tube, to make sure the sample is fully dissolved into the buffer (see the picture).

Note: handle the used swab carefully.

Note: wear necessary protection while sampling, for example, gloves, special protective suit, etc.

Note: if the prepare sample can't be tested at once, store it at 2-8°C for no more than 4h.

For long term storage, please keep it in -20°C.

Note: handle the used swab carefully.

6. Test Steps

- a) The test will take **10min**. Schedule your time before test.
- b) Take out the sample, and bring it to room temperature if it is refrigerated. For example, take the sample and keep at room temperature for 30min.

- c) Take the needed test cassette, plastic pipette (100ul micropipette can also be used).
- d) Open the foil pack, and take 100ul prepare sample solution from the sample tube with pipette, add into the Sample Well on the cassette carefully, drop by drop.
- e) The liquid will flow from sample well to test region in seconds. Set the timer to 5min.
- f) Observe the result from 5-10min after adding the liquid into sample well on the cassette.

Note: Strong positive result will be observed in 5min, while weak positive, negative result will be slower and will be observed in less than 10min. Result over 10min will be invalid.

7. Result interpretation

There are 2 lines on the cassette, Control Line (Line C) and Test Line (Line T). Line C is used for quality control. If Line C is invisible after testing, the result will be invalid, please run the test again with new cassette.

NEGATIVE

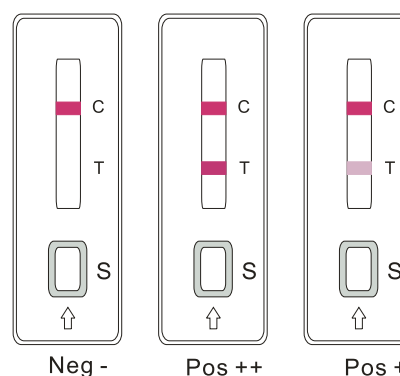
Only Line C is visible, Line T is not visible

POSITIVE

Line C and Line T are both visible.

Stronger (Darker) Line T indicates **Strong Positive (++)**

Weak (Lighter) Line T indicates **Weak Positive (+)**



8. Sensitivity and specificity

The kit is 99.5% sensitive to SIV antigen, the specificity is 100%.

The kit does NOT detect antigens of CSFV, PRV, SIV, PEDV, FMDV, PCV, etc.

9. Limitation of the methodology

- The kit is for screening purpose and on-site test. Positive result shall be further confirmed by PCR and/or other official methodologies. Diagnosis of SIV shall be determined by the vet, considering both clinical symptom and laboratory test.
- The Color of Line T is related to SIV antigen contained in the sample. If the antigen concentration is at very high level, Line T may appear and then be lighter, in this case, please future dilute the sample solution with DD water and run the test again to see a stable Line T.

10. Storage and period of validity

The kit will be valid for 12 months when stored at 2-8°C in dry and dark place. Do not freeze. Avoid direct sunlight.

Production date and expiry information are printed on the package.