

## Swine Pregnancy Rapid Test Card

Early diagnosis of pregnancy is of great importance in modern animal industry due to the high cost of feed and labor. Especially after artificial insemination is widely used, the earlier the pregnancy is determined, the earlier feeding plans will be performed. The general methodology to determine pig pregnancy is by observation or B-mode ultrasound scanners, either of which is not quite economic in small or middle size farms.

The current rapid test kit utilizes the high affinity of monoclonal antibody against an estrogen marker in pigs, which can easily identify the concentration and presence of it. If the concentration is above certain number, the pig will be pregnant and if not, the pig will not be pregnant. Further measurement such as mating or AI shall be performed.

**1. Application note:** This kit shall be used to test pig urine, which shall be collected within **25 to 30 days** after mating or insemination. Urine from **45-60days** post AI cannot be tested due to hormone changes.

### 2. Kit components

- Rapid Test Card, 5pcs, in foil pouch.
- Plastic pipet, 5pcs
- Kit insert

### 3. Operations

1) Read the instructions before experiment. Bring the test kit and samples to room temperature. Urine samples should be fully liquid without any agglomeration and deposition.

**IMPORTANT: freshly collected urine shall be kept still for at least 30min to let the impurities settle.**

- 2) Take test card needed from the kit package, and make proper marks. Please use the test strips within 1h. Return the rest into cold storage.
- 3) Take **150 $\mu$ l** urine sample (6-7 drops by plastic pipet, drop by drop) into the sample well on the test card, then wait for 10-15min.
- 4) Determine the result according to **Part 4**. Results observed after 15min is invalid.

### 4. Result determination

There are 2 lines on the test card, **Control Line, Test Line**, The test results will depend on the color of these lines. The right diagram describes the result identification.

**Positive (+):** Line C is red, line T has no color, or color of Line T is lighter than or the same as Line C, indicating the sow is pregnant.

**Negative (-):** Line T and Line C are both red, and color of Line T is deeper than Line C, indicating the sow is not pregnant.

**Invalid (x):** Line C has no color. In this case, please reread the instructions and repeat assay with new strip.

**Note: Positive result needs to be confirmed by testing of urine from the sow on the next day.**

### 5. Storage

2-30°C in cool dark place, do not freeze. The kit is valid for 18 months. Lot number and expired date are printed on the package.

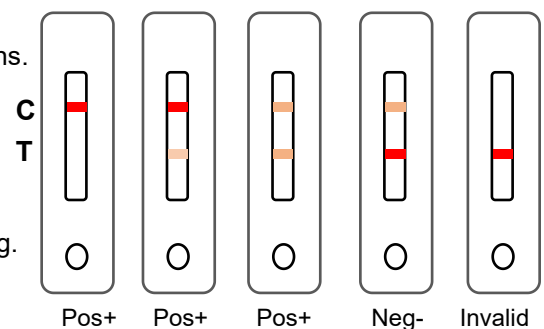
### 6. Notice and Precautions for a successful experiment.

Please perform the assay following the instruction.

Return the samples and test card to room temperature before testing.

Do not use it to test boar or unmated sow.

This test strip is used for only once; please do not use it repeatedly.



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