Pig Pregnancy Rapid Test Kit   Art. No.: 200004-96T

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 of the kit

This kit shall be used to test pig urine, which shall be collected within **23 to 32 days** after mating or insemination.

2. Kit components

○ Test Strip, 96 pcs in 12 plastic bottles, 8 pcs / bottle.
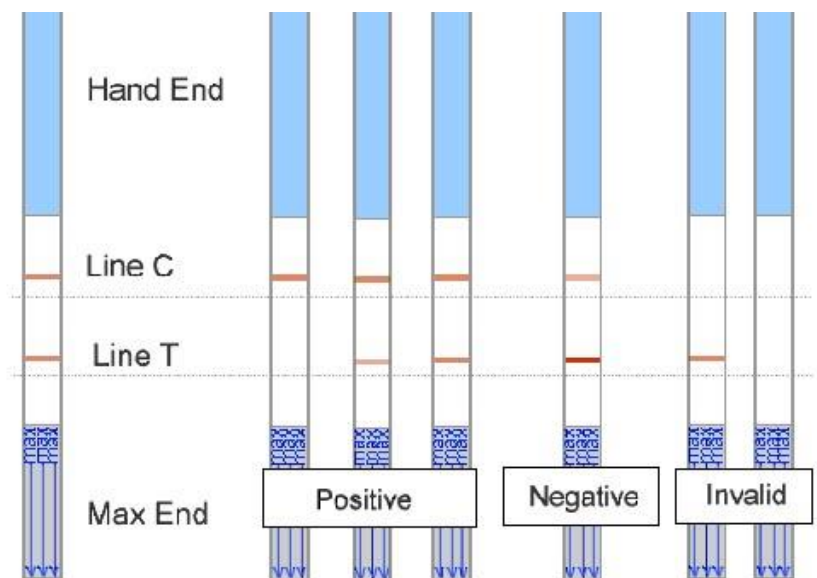○ Kit insert

3. Operations

a) Read the instructions before experiment. Bring the test kit and samples to room temperature.

b) Urine samples should be liquid and brought to room temperature before use. If the sample cannot be tested, please store for no more than 48h at 2-8°C. For long term storage, please store in freeze (-20°C or lower). Please avoid repeated freeze and thaw cycles.

c) Take bottles needed from the kit package, take out required wells and strips, and make proper marks. Please use the test strips within 1h. Seal the cap of the bottles and store the unneeded kit.

d) Take **100ul** of the urine sample into the microwell, and then repeatedly absorb up and down to mix the sample with the reagent in the wells thoroughly.

e) **Incubate for 5min** at room temperature, and then insert the test strip into the well with the "**MAX**" end dipped in to the mixed solution.

f) **Incubate for 5min** at room temperature again. Take out the strip; determine the result according to **Part 4**.

4. Result Determination

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.

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

NOTICE: If the result of the strip needs to be recorded, please cut the "MAX" end, and dry the strip, then keep it as file or paste in your recording book.
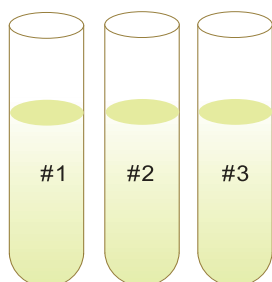
5. Storage

2-8°C in cool dark place, do not freeze. The kit is valid for 12 months. Lot No. and expired date are printed on the package.
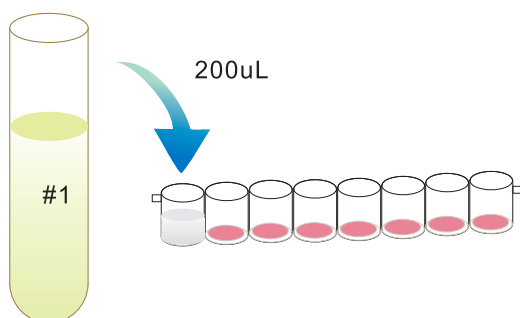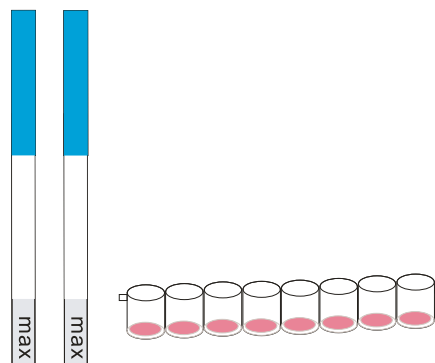
6. Notice and Precautions

○ Perform the assay following the instruction; do not touch the membrane of the strip.

○ Seal the bottle after taking out required strips.

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

○ This kit is only for screening test, positive result should be further confirmed with other method.
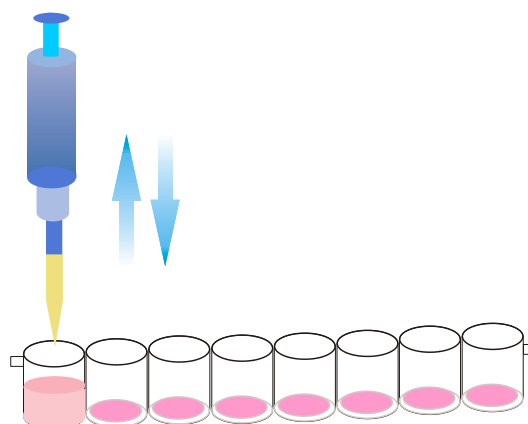
Schematic Assay Steps

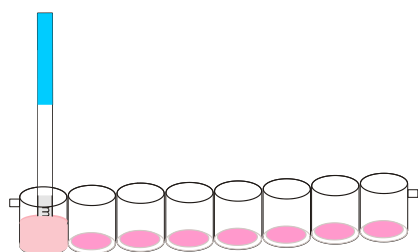1. Bring all test samples to room temperature; number them to keep record.

2. Take test kit according to your sample number and also number the kit wells to keep record and consistency.
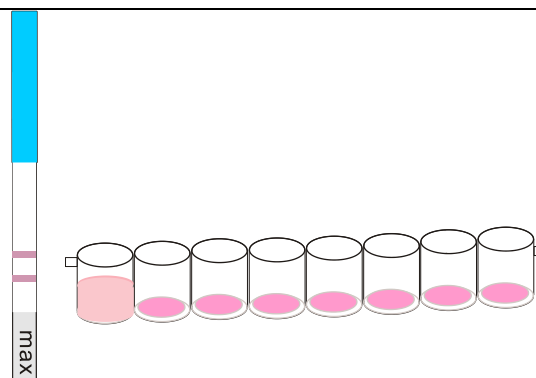
3. Take 200ul sample into the wells using pipet. You can also then put the well into the well holder to avoid sample spill.

4. Absorb up and down for 5 times to mix sample with reagent completely. Start the timer when the mixture is pink. **Incubate for 5 min.**

5. Insert the "**MAX**" end of the strip into the mixture; **Incubate for 5 min at room temperature again.**

6. Take out the strip; judge the result according to **kit instruction.**