

The use of this on-farm ovulation test allows determining accurately the timing of the LH peak, which sets off the ovulation, in order to time the insemination in relation to the timing of the ovulation. The usage protocol is based on the use of one or more test, depending on the precocity of the LH peak.

Contents

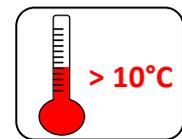
The box contains **five ovulation tests**.

Each ovulation test includes 3 tubes and 1 pot:

- tube 1, no colour marking on top on which is fixed the ready-to-use stick
- tube 2, with **yellow** cap (reagent)
- tube 3, with **blue** cap (revelator)
- one pot containing rinsing solution (white lid)

Conditions of use

Perform the test in a room where the temperature is above 10°C.
If the room temperature is below 10°C, keep the test in your pocket.



Conservation

The box must be stored at +4°C.

Blood sampling

Blood sampling can be done at the back of the ear (using the lancet provided in the box) or below the tail (using a heparin-coated vacutainer tube). If the blood is collected in a heparin-coated tube: straight after the collection, move the tube 4-5 times up and down to mix well the blood and the heparin.

Implementation

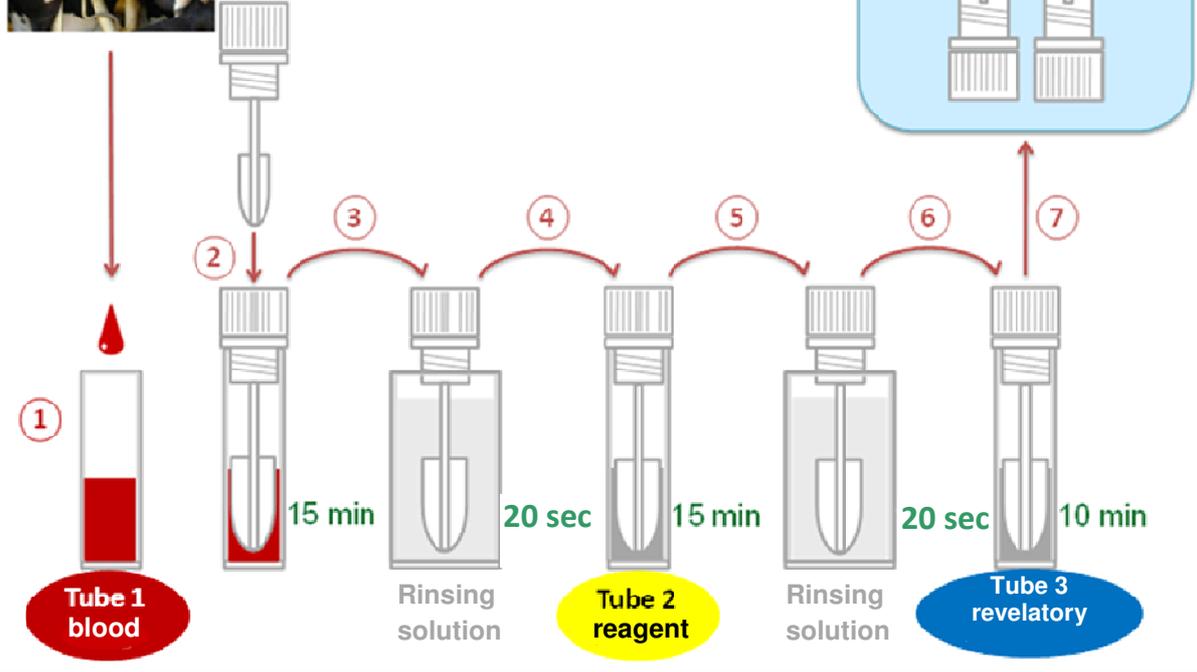


Careful incubation and rinsing are essential for the successful implementation of the test.

1. Take the test (3 tubes + 1 pot) out of the fridge **30 minutes** before use (take out only one test at a time).
2. Take the stick out of tube 1. Let the stick stand, taking care not to touch or soil its extremity.
3. **Add blood in the tube 1 until the bottom of the label, but not further than that. This limit must be respected** (approximately 5 drops of blood, 0.5 ml) and screw back the stick on the tube.
4. Leave the tube standing for **at least 15 minutes** (the bottom of the stick must be immersed in the blood)
5. i) After 15 minutes incubation, take the stick out of the tube and **SHAKE WELL several times to remove all the blood** remaining on it **BEFORE** you put it in the rinsing solution.
ii) For the washing: put the stick in the rinsing buffer, cap the pot, and **SHAKE at least 20 seconds** to remove the blood traces.
iii) **SHAKE WELL the stick several times to remove all the liquid** before you put it in the tube 2 (yellow cap).
6. Leave the tube standing for **at least 15 min** (the bottom of the stick must be covered in solution).
7. i) After 15 minutes incubation, **SHAKE WELL** the stick several times to remove all the reagent drops remaining on it **BEFORE** you put it in the rinsing solution. Wash the stick during 20 seconds.
ii) **SHAKE** the stick again several times **BEFORE** you put it in the tube 3 (blue cap)
8. Leave the tube standing for **at least 10 min** (the bottom of the stick must be covered in the revelator).
Unscrew the stick from the tube:
 - i. If the end of the stick is **blue**: the test is **positive** and indicates high levels of LH. The cow must be inseminated 12 hours later. **The test is positive whatever the intensity of the blue shading.**
 - ii. If the end of the stick is **white**: the test is **negative** and shows that there is no LH peak. In this case, it is recommended to repeat the test 6 to 8 hours later.



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Summary of main recommendations :

- Add blood until the bottom of the label of tube 1, no more
- Remove (by shaking) all the liquid remaining on the stick before you put it in the washing buffer
- In general, remove the liquid remaining on the stick before and after each tube
- Wash by shaking during 20 seconds minimum each time

<p>Negative stick, with blue dots</p>	<p>Negative stick (white)</p>	<p>Positive stick (Clear blue)</p>	<p>Positive stick (Intermediate blue)</p>	<p>Positive stick (Dark blue)</p>
<p>When the recommendations below WERE NOT followed</p>	<p>When the recommendations below WERE followed</p>			

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