

P-TEST™

Equine Pregnancy Test

INDICATIONS

For pregnancy diagnosis in horses.

TEST

3 mL of urine per test. Colorimetric.

NOTICE

P-TEST is an on-farm bio-analytical test for pregnancy in equine species. Federal law (US) does not require that this product be used by or on the order of a licensed veterinarian. Please consult local regulations.

DESCRIPTION

P-TEST is a simple and quick colorimetric assay for monitoring pregnancy using a urine sample. Packaged in kit form, each test is sealed in a vial to maintain potency during storage. The test is run by adding urine directly into the P-TEST vial. At 1 and 10 minutes, the results can be visually read.

MODE OF ACTION

The P-TEST works by rapid analysis of the pregnancy hormone, estrone sulfate in urine using a simple colorimetric reaction. Pregnancy can be monitored in the 2nd and 3rd trimesters after breeding without palpation or ultrasound. The accuracy in predicting pregnancy is 97.4%. The accuracy of predicting non-pregnancy is 94.4%. The sensitivity of this test is >95%.

CONTRAINDICATIONS

- When collection urine, do not use in animals which are known to be infected with or are carriers of *Leptospirosis*. Consult your veterinarian.
- When handling urine, be sure to protect yourself by wearing rubber/latex gloves.
- Do not expose open cuts or wounds to blood or urine.
- Results are not reliable within the first 60 days of breeding.

COLLECTION OF URINE

The following methods of urine collection can be used. Store the sample at room temperature (68°F; 20°C) until assay. Run test within 2 hours of collection. If delay in testing is necessary, urine samples can be stored in a clean container and immediately frozen for up to 7 days. Be certain stored samples are completely warmed to room temperature before testing.

1. **Manual stimulation.** Ensure sufficient restraint to prevent the beast from moving away during the procedure. Gently massage the skin under the vulva (escutcheon) in an upward motion. In most cases this will result in urine flow in one minute. Collect several milliliters of urine. Use a clean, dry, urine cup (or similar receptacle) as a sampling container. Try to collect urine mid-stream. Use a clean technique to minimize exposure to feces, dust, and insects. After collection, place urine at room temperature in a seal container protected from direct sunlight, moisture and insects.
2. **Casual collection.** Horses urinate 3-4 times per day. Knowledge of urination habits can be helpful. Some mares will urinate after exercise, feeding, removal of saddle, harness, or from a transport float. Collect urine directly into a clean container.
3. **Collection device.** Attaching a collection container below the vulva can work very well. A simple device can be made from a clean plastic bottle held in place by netting + straps. The open container can be attached to a blanket, cover, or harness. If using absorbent material in the container (to prevent splashing), use only 100% pure cotton.

NOTE: The following methods are not recommended as the urine can become contaminated by chemicals and/or debris that can interfere with the test.

- Sanitary pads
- Paper towels
- Collecting urine from the barn floor.

TEST PROCEDURE

A. Introduction of urine sample into the P-TEST vial

1. Allow urine sample to cool to room temperature (68-72°F; 20-22°C) for 30 minutes.
2. Using a small syringe fitted with a 16-18 G needle, transfer 3 mL of sample into the P-TEST vial. (Hint: The sample should reach the 3 mL mark on the vial).
3. Mix by gentle inversion 3 or 4X. The solution will immediately turn dark blue/purple. (Hint: Be sure the entire blue pellet is dissolved.)
4. Allow to stand at room temperature. Do not disturb while incubating.
5. Read results after 1 minute and 10 minutes according to the table below.
6. Record the results with animal ID #.
7. Dispose of used test vials in a responsible manner.

NOTE: To avoid cross-contamination, rinse syringe with clean water between samples.

B. Results of P-TEST

Color	Time (minutes)	Result
AMBER	1-10	NOT PREGNANT
LIGHT GREEN	10	Pregnant VERY EARLY TERM
GREEN		Pregnant EARLY TERM
BLUE-GREEN		Pregnant MID TERM
DARK BLUE		Pregnant LATE TERM

NOTE: If test is uncertain, repeat in 30 days. Uncertain results are more common when testing early term pregnancies and with older and maiden females, due to low hormone levels. Some horse urine can be a dark amber or even reddish color. If this is the case, the final color from a non-pregnant mare will be a reddish tint, rather than amber.

The following conditions can show false positives (dark blue) to this test:

- retained placenta
- retained *corpus lutei*
- testing within 4 weeks following parturition
- testing of suckling foals

The following conditions can show false negatives (amber) to this test:

- cystic ovarian disease
- placentitis
- severe stress

STORAGE CONDITIONS

Store product in a dark, cool, dry place (68°F; 20°C). Avoid moisture and strong sunlight. Reseal unused product in packet during storage.

HOW SUPPLIED

P-TEST is supplied in the following package sizes: 1, 10, and 50 tests

WARNINGS

KEEP OUT OF REACH OF CHILDREN.

Manufactured by  EMLAB GENETICS, LLC Arcola, IL 61910 USA

Questions? Please call +1-708-442-3964 or log onto www.emlabgenetics.com

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