**P-TEST™**

**Cattle Pregnancy Test**

**INDICATIONS**
For pregnancy diagnosis in dairy and beef cattle.

**TEST**
1 mL of urine per test. Colorimetric.

**NOTICE**
P-TEST is an on-farm bio-analytical test for pregnancy in bovine. 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 pregnancy in cattle 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 to the P-TEST vial. Within 1 to 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 bodily fluids using a simple colorimetric reaction. Pregnancy can be detected 60-210 days after breeding without palpation or ultrasound. Urine sample can be tested at 60 days. The efficiency in predicting pregnancy is 91.1%. The sensitivity of this test is >95%.

**CONTRAINDICATIONS**
- When collection urine, do not use in cattle which are known to be infected with or are carriers of *Leptosporas*. 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**

**Urine-Test (60-210 days after breeding).** 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.

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 protected from direct sunlight, moisture and insects.

2. **Catheterization of the bladder.** For more advanced technicians, the following method can be employed. Ensure that the beast is restrained in a crush or bail or head-catch to minimize movement during the procedure. Use either a Nielsen catheter or an AI sheath. Ensure that all equipment is suitably sterilized. Clean the vulva and perineal area with water and disinfectant. After donning and lubricating a glove, locate the opening of the urethra on the ventral floor of the vagina, approximately 30mm (1¼ inch) anterior to the vulva opening. Use an index finger to open the urethral opening and to direct the catheter. Gently insert the catheter. In a mature cow the catheter may be passed up to 200mm (8 ½ inches) before urine will flow.

**RESULTS**

- **Negative.**
  - **CLEAR-YELLOW**
  - **NOT PREGNANT**
- **Positive.**
  - **BLUE-GREEN**
  - **PREGNANT**

**STORAGE CONDITIONS**

**HOW SUPPLIED**
P-TEST™ is lyophilized in the following package sizes: Single-use, 1 unit

**WARNINGS**

**KEEP OUT OF REACH OF CHILDREN.**

Manufactured by

**EMLAB GENETICS, LLC**
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Questions? Please call: Ph 708-442-3964 or log onto www.emlabgenetics.com

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Please see the following YouTube video link for urine collection demonstration:

[https://www.youtube.com/watch?v=iJ__wNhbWn0](https://www.youtube.com/watch?v=iJ__wNhbWn0)