

# P-TEST™

## SHEEP & GOAT Pregnancy Test Strip

### INDICATIONS

For pregnancy diagnosis in sheep and goats

### TEST

One test per strip Colorimetric Single-use only

### NOTICE

P-TEST is an on-farm bio-analytical test for pregnancy in sheep and goats. 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 strip form, each test is sealed to maintain potency during storage. The test is run by dipping the P-TEST strip directly into a sample of urine. After 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 2<sup>nd</sup> and 3<sup>rd</sup> 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%. Please refer to TABLE 1 for use in specific animal species.

### 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.
- Do not use in pre-pubertal or anestrus females.

### 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 sealed container protected from direct sunlight, moisture and insects.
2. **Casual collection.** Goats and sheep urinate 5-6 times per day. Knowledge of urination habits can be helpful. Some animals will urinate after exercise, feeding, or when arising in the AM. Collect urine directly into a clean container.
3. **Collection device.** Inserting a small sponge into the vagina can work very well to collect a few ml of urine. A simple device can be made from 2x2 inch cube of sponge or soft foam material. Attach a string to the sponge and insert into the vagina. Using the string to remove, recheck every few hours. Rinse with copious amounts of water before and after application.

**TABLE 1: Use of P-TEST by species**

Species	Gestation (Days)	Effective date post- breeding (days) <sup>1</sup>
Sheep	144-152	45 - term
Goat	136-160	45 - term
Deer	190-210	50 - term
Elk	240-262	60 - term

<sup>1</sup>Earliest effective date can vary with individual, breed, age, parturition, and litter size.





### TEST PROCEDURE

Store urine in a closed container and equilibrate to room temperature (72-80 degrees F) for 30 minutes before testing.

#### A. Introduction of urine sample to the P-TEST Strip.

1. Dip the test strip into the urine sample for few seconds. Be sure the blue pad is completely wet. Withdraw and position horizontally.
2. Allow to stand at room temperature (72-80°F; 22-27°C). Avoid direct sunlight.
3. Read results at 1 minute and 10 minutes according to the table below.
4. Record the results with animal ID #.
5. Dispose of used test strips in a responsible manner.

## B. Results of P-TEST

Color		Time (minutes)	Result
LIGHT AMBER		1-10	OPEN NOT PREGNANT
LIGHT BLUE GREEN		10	PREGNANT EARLY TERM (40-60 days)
LIGHT BLUE			PREGNANT MID TERM (60-120 days)
BLUE			PREGNANT MID-LATE TERM (120-150 days)

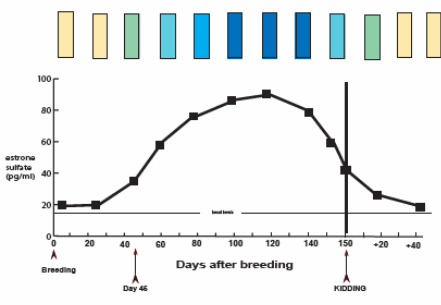
The following conditions can show false positives (blue) to this test:

- high protein supplementation
- pre-pubertal females
- pro-estrus
- anestrus females
- retained placenta
- retained *corpus lutei*
- testing within 3 weeks after parturition
- testing of suckling kids
- fetal loss or fetal adsorption

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

- dehydration
- pseudo-pregnancy
- cystic ovarian disease
- placentitis
- severe stress
- urinary tract infections

P-TEST Results - SHEEP & GOATS



### CONFIRMING TEST RESULTS

Sheep, goats, deer, and elk – Retest after 10 days.

TEST 1	TEST 2	RESULT
+	+	P
+	-	NP
-	+	NP?
-	-	NP

Note: Uncertain results are more common with early-term pregnancies, late-term pregnancies, maiden, and older females. Perform test only on sexually mature cycling females.

### STORAGE CONDITIONS

Store at or below 20°C (68°F). Reseal unused product in container during storage.

### HOW SUPPLIED

P-TEST strips are supplied in the following package sizes: 10.

### 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](http://www.emlabgenetics.com)

P-TEST™ is a trademark of EMLAB GENETICS LLC