



# HealVet 300

## Progesterone Timing Chart

This Canine Progesterone Timing Chart is designed to work only with the Vet test kits. Comparing values to laboratory results using different analyzers will not render useful comparisons. All dogs exhibit variability and deviation from the standard rules, in best practice, adjust the chart as needed for specific animals. Failure to achieve pregnancy may be due to improper use of chart, incorrect testing techniques, or poor semen quality. Ranges are not guaranteed for all breeds, or ages of dogs. Timing chart may change due to changes in functions of test kit lots.



### Result Interpretation

#### Test Frequency Recommendation

- If Value is between 1-4 ng/mL, test again in 3 days
- If value is between 5-10 ng/mL, test every 2 days
- If value is 10 or greater, test every day

|             |  |
|-------------|--|
| <4.0        | Anestrus (out of heat)   |
| 4-7 ng/mL   | LH Surge   |
| 7-10 ng/ml  | Estimated Ovulation  |
| 10-12 ng/mL | Egg Maturation Period<br>Allow two days post ovulation for maturation, a number in this range does not guarantee ovulation occurred. Test again to confirm a result in fertile range |
| 12-16 ng/ml | Fertile Range<br>Natural or AI Inseminations<br>2-3 days past ovulation  |
| 16-20 ng/ml | Surgical-AI-Frozen<br>Late stage fertility, 4-5 days Past OV   |

#### Standard Timing By Ovulation

**AI With Fresh or Chilled Semen, and Natural Breed**

#### 2-4 Days After Ovulation

\*verify good sperm counts and forward motility

\*ovulation must be confirmed and result in fertile range required

**AI or TCI With**

**Cryofrozen Semen**

#### 3-5 Days After Ovulation

\*verify health of sperm being used for breeding

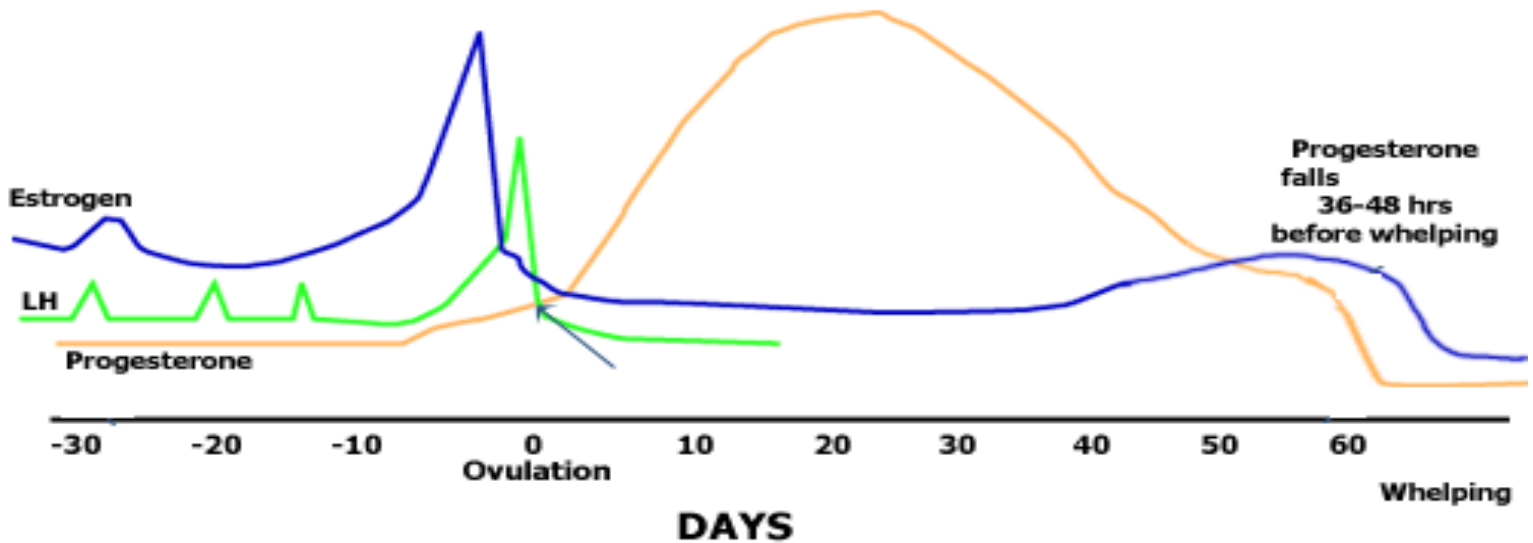
#### Reverse Progesterone

**<5.0 ng/ml Nearing Whelping**

<48 hours estimated before whelping. Refer to a qualified veterinarian for performing any surgical or invasive procedures and to perform confirmation test

This chart may be adjusted slightly with the onset of new kit lot data provided. Intellectual property of MR Diagnostic Services 2023. Do not copy, distribute, or make alterations to this document without expressed written consent from MR Diagnostic Services LLC

# Ordinary Hormone Levels in Canines from Anestrus Through Pregnancy



## How do I track the ovulation date?

Ovulation dates are best tracked by running another test again the next day after her result places her in the “Estimated Ovulation” window. Bitches that ovulate above the recommendations, and ovulation stalling can hamper successful pregnancies if they occur unknowingly. For that reason, continuing testing well into the Green fertile range. Some bitches will double, or jump, 1-2 days after truly ovulating, and others may stall or progress more slowly. You may see a large increase in a mere 24 hours, or in a week, depending on the female.

If, after testing the next day, she is still in the ovulation range, she DID NOT ovulate the previous day and may be experiencing an ovulation stall, or split heat. Continue to monitor and test daily.

Having her result place her in the Estimated Ovulation range DOES NOT GUARANTEE she has actually ovulated as most bitches will ovulate based on a number of internal and environmental factors, and do not all ovulate at the exact same value. She may remain in the estimated ovulation for days in some cases.

## How Do I Track Reverse Progesterone?

Referring to the graph above, you can see that a pregnant bitch will reach peak progesterone values between day 20 and 30, and decline through gestation, marked by a sharp decline shortly prior to when natural whelping would occur.

Tracking reverse progesterone values can be useful in estimating when whelping will occur, but should only be done and confirmed by a qualified veterinarian when the reverse progesterone is used to determine the timing of C-section birthing or other medical procedures.

This stated, you can monitor it over the length of the gestation to have a general feel for the decline in progesterone.