



Ovulation detection in bitches

Determine the best time for mating by using Quantitative Blood Progesterone

Very useful for:

- Bitches with reduced fertility
- Bitches who have “missed” on previous occasions due to unknown reasons
- Giving confidence to owners that the time is right so they can plan especially if travelling long distances to mate.
- Critical where artificial insemination (AI) is being done as the frozen semen has a very short active life in the bitch.

Progesterone (quantitative) test protocol

A blood sample should be taken about day 7 after the start of vulval bleeding. In most bitches the progesterone concentration will be <3 nmol/L. If the progesterone level is above 6 nmol/L, functional luteinisation has occurred and depending on the actual level we will advise when to sample again if required.

Sample required - 0.5 ml Serum (no gel tubes) or Heparin plasma

Ovulation detection in other species

Progesterone may be used to identify whether ovulation has taken place in a wide variety of species by serial sampling to test progesterone concentration. Females in anoestrus will normally have undetectable progesterone levels. When ovulation occurs, the progesterone rises and this rise can be detected with sensitive quantitative progesterone.



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