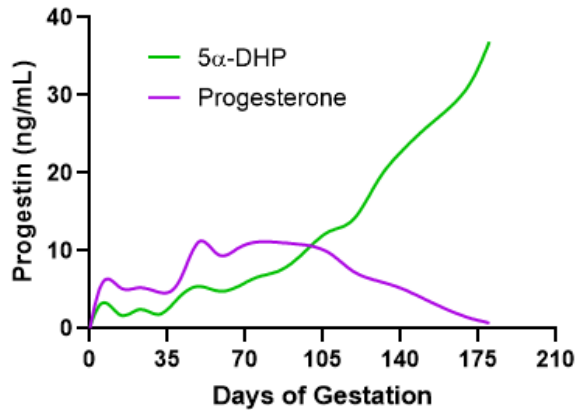


Equine Progesterone Interpretation

Fig 1. Progestins in pregnancy^{1,2}



During estrus and anestrus, progesterone levels are generally undetectable. As luteal tissue develops, progesterone rises to > 1.0 ng/mL by 2-3 days post-ovulation.³

For evaluating adequacy of maternal progesterone production for the maintenance of pregnancy⁴ see Table 1 below.

Table 1.

Progesterone (ng/mL)	Interpretation
< 2.0	Consistently associated with embryo loss
2.0 – 4.0	Technically adequate to maintain pregnancy, but progestin supplementation should be considered
> 4.0	Considered adequate for pregnancy maintenance

The TRUFORMA Progesterone assay has a moderate degree of cross-reactivity (~20%) with the bioactive progestin 5α-dihydroprogesterone (5α-DHP). Other immunoassays are variable in this regard. These differences should be considered when comparing results between different assays.

Beginning around day 70 of gestation, progesterone levels begin to decrease while placental production of 5α-DHP starts to increase. 5α-DHP levels surpass those of progesterone around day 105 of gestation^{1,2}. Beyond this point, the diagnostic utility of the TRUFORMA Progesterone assay is diminished.

References

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