

Datasheet: 7720-0750

Description:	PROGESTERONE-BSA CONJUGATE
Name:	PROGESTERONE
Format:	Antigen-carrier Conjugate
Product Type:	Antigen
Quantity:	25 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Product Form	Synthetic progesterone conjugated to BSA - liquid
Buffer Solution	Distilled water
Preservative Stabilisers	None present
Approx. Protein Concentrations	5.0 mg/ml (30 moles progesterone/mole of BSA)

Product Information **Progesterone-BSA Conjugate** contains progesterone 3-CMO conjugated to Bovine Serum Albumin at a ratio of 30 moles progesterone/mole of BSA.

Progesterone is a steroid hormone synthesized from the cholesterol derivative, pregnenolone, in the cortex of the adrenal gland. It is secreted by the *corpus luteum* and acts to prepare the endometrium for the implantation of a fertilized egg. During pregnancy, progesterone is secreted by the placenta in order to prevent spontaneous abortion and to stimulate the development of mammary tissue to produce milk.

Protein Molecular Weight	76.6 kDa
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References

1. Krachudel, J. *et al.* (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? [Theriogenology. 79 \(9\): 1278-83.](#)
2. Trapiella-Alfonso, L. *et al.* (2011) Development of a quantum dot-based fluorescent immunoassay for progesterone determination in bovine milk. [Biosens Bioelectron. 26: 4753-9.](#)
3. Daems, D. *et al.* (2017) Competitive inhibition assay for the detection of progesterone in dairy

milk using a fiber optic SPR biosensor. [Anal Chim Acta. 950: 1-6.](#)

Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10291 available at: 10291: https://www.bio-rad-antibodies.com/uploads/MSDS/10291.pdf
Regulatory	For research purposes only

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