

## Datasheet: 7720-0750

<b>Description:</b>	PROGESTERONE-BSA CONJUGATE
<b>Name:</b>	PROGESTERONE
<b>Format:</b>	Antigen-carrier Conjugate
<b>Product Type:</b>	Antigen
<b>Quantity:</b>	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](http://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 the appropriate negative/positive controls.

<b>Product Form</b>	Synthetic progesterone conjugated to BSA - liquid
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<b>Buffer Solution</b>	Distilled water
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<b>Preservative Stabilisers</b>	None present
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<b>Approx. Protein Concentrations</b>	5.0 mg/ml (30 moles progesterone/mole of BSA)
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<b>Product Information</b>	<b>Progesterone-BSA Conjugate</b> contains progesterone 3-CMO conjugated to Bovine Serum Albumin at a ratio of 30 moles progesterone/mole of BSA.
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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.

<b>Molecular Weight</b>	76.6 kDa
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<b>References</b>	<ol style="list-style-type: none"> <li>1. Krachudel, J. <i>et al.</i> (2013) Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone? <a href="#">Theriogenology. 79 (9): 1278-83.</a></li> <li>2. Trapiella-Alfonso, L. <i>et al.</i> (2011) Development of a quantum dot-based fluorescent immunoassay for progesterone determination in bovine milk. <a href="#">Biosens Bioelectron. 26: 4753-9.</a></li> <li>3. Daems, D. <i>et al.</i> (2017) Competitive inhibition assay for the detection of progesterone in dairy milk using a fiber optic SPR biosensor. <a href="#">Anal Chim Acta. 950: 1-6.</a></li> </ol>
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<b>Storage</b>	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.
<b>Shelf Life</b>	12 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10291 available at: 10291: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10291.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10291.pdf</a>
<b>Regulatory</b>	For research purposes only

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