

Cattle PG (Progesterone) ELISA Kit | PG elisa kit

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CATALOG #
AAA277297

REACTIVITY
Cattle

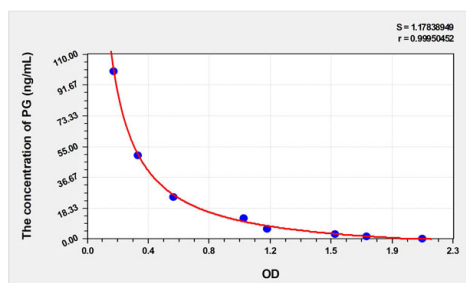
PRODUCT SYNONYMS

PG (Progesterone); Cattle PG (Progesterone) ELISA Kit; P4; Pregn-4-Ene-3; 20-Dione; PG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Cattle
Specificity	This assay has high sensitivity and excellent specificity for detection of Cattle PG. No significant cross-reactivity or interference between Cattle PG and analogues was observed.
Assay Type	Competitive
Detection Range	1.57-100 ng/mL
Sensitivity	0.47 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PG elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Cattle PG protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle PG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Cattle PG in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for PG elisa kit

[Endocrinology](#); [Reproductive science](#); [Hormone metabolism](#)

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cat-cattle-elisa-kits/pg-progesterone/277297>