

## Bovine Cortisol (COR) ELISA Kit-Competitive

**Cat. No.:** EK11F417

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Bovine Cortisol (COR) ELISA Kit-Competitive is designed for the quantitative determination of Bovine Cortisol (COR) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Bovine COR.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	0.395-25 ng/mL
Sensitivity	0.235 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 150 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Cortisol, a steroid hormone belonging to the glucocorticoid class, serves as both a stress hormone and a vital regulator in various biological processes. It is predominantly synthesized by the zona fasciculata within the adrenal cortex. Cortisol's multifaceted roles include raising blood sugar levels through gluconeogenesis, immune system suppression, and active participation in fat, protein, and carbohydrate metabolism. Cortisol is a steroid hormone and stress hormone in the glucocorticoid class of hormones, which are important mediators of key cellular events. It plays a role in the acquisition of oocyte competence in cattle.

Target/Biomarker	Bovine COR
Target Synonym	Cortisol

## Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.