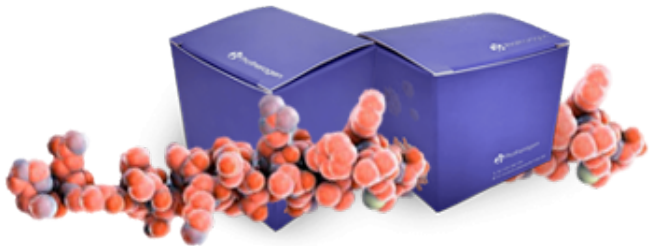
Protheragen Obesity



Bovine glucagon (GCG) ELISA kit (15.6-500 pg/mL)

Cat. No.:	0126WXX-44
Assay Type:	Quantitative sandwich ELISA
Target Species:	Bovine
Assay Target:	GCG
Size:	48T; 96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Bovine glucagon (GCG) ELISA kit (15.6-500 pg/mL) is an ELISA-based *in vitro research tool designed specifically for the quantitative detection of GCG in bovine samples with a range of 15.6-500 pg/mL and a minimum detectable dose (sen sitivity) of 2.0 pg/mL. The kit is highly sensitive and easy to use.*
Assay Principle	The ELISA analytical biochemical technique is based on GCG antibody-GCG antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GCG antigen targets in samples.
Background	Glucagon is a hormone secreted by A cells of the islets of Langerhans, playing a pivotal role in glucose metabolism and homeostasis. Its primary function is to regulate blood glucose levels by promoting gluconeogenesis and inhibiting glycol ysis. The dynamic equilibrium between glucagon and insulin is crucial for mainta ining healthy metabolism. The detection of glucagon and analysis of its associat ed pathways provide key insights into understanding and treating obesity.
Synonyms	GLP1; GLP2; GRPP; Glicentin-related polypeptide; Glucagen; Oxyntomodulin; Incret in hormone; GC
Formula Weight	20,909 Da
Applications	Bovine glucagon (GCG) ELISA kit (15.6-500 pg/mL) is used to quantify GCG in undi luted original bovine body fluids, tissue homogenates, secretions, and feces sam ples of bovine, providing data to support research in a wide range of areas, inc luding endocrinology, obesity, metabolism, and others.

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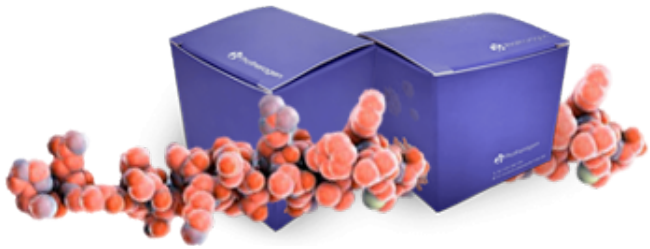

Research Area	Endocrinology; Obesity; Metabolism

Specification

Sample Type	Undiluted original bovine body fluids; Tissue homogenates; Secretions; Feces sam ples
Detection Range	15.6-500 pg/mL
Sensitivity	2.0 pg/mL
Precision (Intra-assay)	CV<15%
Precision (Inter-assay)	CV<15%
Cross-reactivity	No significant cross-reactivity or interference was observed.
Storage	Store at 2-8°C.

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