

## Swine Vitamin B12 (VB12) ELISA Kit-Competitive

**Cat. No.:** EK2F136

**Product Type:** Animal Immunoassay Kits

**Size:** 96T

### Product Overview

BioVenic Swine Vitamin B12 (VB12) ELISA Kit-Competitive is designed for the quantitative determination of Swine Vitamin B12 (VB12) 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 Swine VB12.
Target Species	Swine
Species Reactivity	Swine
Detection Range	156.26-10000 pg/mL
Sensitivity	49.2 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Vitamin B12, also known as cobalamin, is a water-soluble vitamin involved in metabolism. It is one of the eight essential B vitamins. It has functions in DNA synthesis, fatty acid and amino acid metabolism, nervous system health, and red blood cell maturation. Vitamin B12 is primarily found in animal-derived foods such as meat, fish, poultry, eggs, and dairy products. N2O is known to impair vitamin B12 function *in vivo*.

Target/Biomarker	Swine VB12
Target Synonym	VB12; Vitamin B12; Cobalamin; $\alpha$ -5,6-Dimethylbenzimidazolyl Cobamidcyanide

### Shipping and Storage

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

---

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.