General CNCbl (Cyanocobalamin) ELISA Kit | CNCbl elisa kit

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CATALOG #	REACTIVITY
AAA275660	**General**

PRODUCT SYNONYMS

CNCbl (Cyanocobalamin); General CNCbl (Cyanocobalamin) ELISA Kit; VB12; Vitamin B12; Cobalamin; alpha-5; 6-Dimethylbenzimidazolyl Cobamidcyanide; CNCbl elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of General CNCbl. No significant cross-reactivity or interference between General CNCbl and analogues was observed.
Assay Type	Competitive
Detection Range	156.25-10000 pg/mL
Sensitivity	49.2 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one 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.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNCbl 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 Cyanocobalamin(CNCbl) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cyanocobalamin(CNCbl). 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 Cyanocobalamin(CNCbl) in the samples is then determined by comparing the OD of the samples to the standard curve.
Product Categories/Family for CNCbl elisa kit	Metabolic pathway; Nutrition 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.