

Biotin ELISA Kit

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CATALOG #
AAA13262REACTIVITY
Biotin

PRODUCT SYNONYMS

Biotin; Biotin ELISA Kit; Biotin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Biotin
Specificity	This assay has high sensitivity and excellent specificity for detection of Biotin. No significant cross-reactivity or interference between Biotin and analogues was observed.
Sequence Length	320
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1.56 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for Biotin elisa kit

Principle of the Assay: This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Biotin. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated Biotin and incubated. The competitive inhibition reaction is launched between with HRP labeled Biotin and unlabeled Biotin with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of Biotin in the sample. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Biotin concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	320088538
UniProt Accession #	E9A979
NCBI Official Full Name	biotin

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.