

beta-Hydroxybutyrate (beta-HB) Assay Kit | beta-HB assay kit

beta-Hydroxybutyrate (beta-HB) Colorimetric Assay Kit

CATALOG #
AAA178089

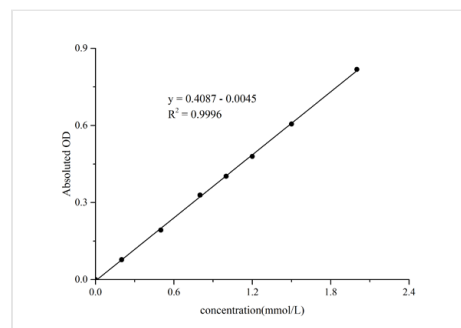
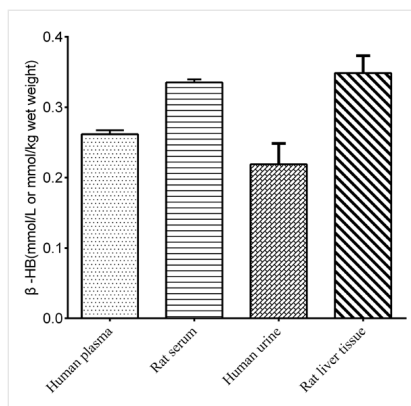
PRODUCT SYNONYMS

beta-Hydroxybutyrate (beta-HB); beta-Hydroxybutyrate (beta-HB) Colorimetric Assay Kit; beta-HB assay kit

PRODUCT SPECIFICATIONS

Samples	Serum, plasma, urine and animal tissue samples
Detection Range	0.01-2.00mmol/L
Sensitivity	0.01mmol/L
Intra-assay Precision	1.8
Inter-assay Precision	6.4
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Application Data

ADDITIONAL INFORMATION

Related Product Information for beta-HB assay kit

Principle of the Assay: beta-hydroxybutyrate (beta-HB), $C_4H_8O_3$, accounts for about 75% of the total ketone body. Patients with diabetic ketoacidosis have increased production of NADH, which promotes the conversion of acetoacetic acid into beta-HB. Therefore, the level of beta-hydroxybutyrate can be used as an index to evaluate glycosuria. beta-hydroxybutyrate dehydrogenase can catalyze the oxidative dehydrogenation of beta-HB. Meanwhile, NAD^+ is reduced to NADH, which under the action of hydrogen transmitter, transfer electrons to WST-8 to produce the yellow product. The content of beta-HB can be calculated by measuring the change of absorbance value at 450nm.

Product Categories/Family for beta-HB assay kit

Metabolism assay kit; Lipids assays

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.

