

## Cattle bHB (Beta-Hydroxybutyric Acid) ELISA Kit | bHB elisa kit

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CATALOG #  
**AAA276224**

REACTIVITY  
**Cattle**

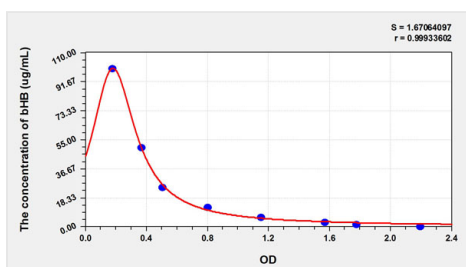
### PRODUCT SYNONYMS

bHB (Beta-Hydroxybutyric Acid); Cattle bHB (Beta-Hydroxybutyric Acid) ELISA Kit; OHB; Beta-Hydroxybutyrate; 3-Hydroxybutyric Acid; bHB elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Cattle                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Cattle bHB. No significant cross-reactivity or interference between Cattle bHB and analogues was observed. |
| Assay Type              | Competitive                                                                                                                                                                           |
| Detection Range         | 1.57-100 ug/mL                                                                                                                                                                        |
| Sensitivity             | 0.48 ug/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 bHB 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 Beta-Hydroxybutyric Acid(bHB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Beta-Hydroxybutyric Acid(bHB). 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 Beta-Hydroxybutyric Acid(bHB) in the samples is then determined by comparing the OD of the samples to the standard curve.

#### Product Categories/Family for bHB elisa kit

[Signal transduction](#); [Metabolic pathway](#); [Endocrinology](#)

**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.

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Online datasheet: <https://stage.aaabiotech.com/cat-cattle-elisa-kits/bhb-beta-hydroxybutyric-acid/276224>