

## Sheep Beta-Hydroxybutyric Acid (BHB) ELISA Kit-Sandwich

Cat. No.: EK10F937

Product Type: Animal Immunoassay Kits

Size: 48T;96T

### Product Overview

BioVenic Sheep BHB ELISA Kit-Sandwich is designed for the quantitative determination of Sheep BHB in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Sheep BHB.
Target Species	Ovine
Species Reactivity	Ovine
Detection Range	0.3-18 µg/mL
Sensitivity	0.05 µg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 180 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids; 10 µL

### Target Information

In ewes, the end of pregnancy is the period with the highest risk of occurrences of ketosis and pregnancy toxemia due to fat mobilization and increasing non-esterified fatty acids in the liver which are converted in ketone bodies, mainly β-hydroxybutyrate acid (BHB).

Target/Biomarker	Sheep BHB
Target Synonym	Beta-Hydroxybutyric Acid; BHB; 3-hydroxybutyric acid

### Shipping and Storage

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

## Reference

Araújo, C. *et al.* Validation of a handheld  $\beta$ -hydroxybutyrate acid meter to identify hyperketonaemia in ewes. *PeerJ*. 2020, 8: e8933.

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.