

## Bovine Dihydropteridine Reductase (QDPR) ELISA Kit-Sandwich

**Cat. No.:** EK11F904

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine Dihydropteridine Reductase (QDPR) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Dihydropteridine Reductase (QDPR) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, 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 Bovine QDPR.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Dihydropteridine reductase (DHPR), also known as 6,7-dihydropteridine reductase, is an essential enzyme involved in the biosynthesis of tetrahydrobiopterin (BH4). BH4 is a critical cofactor for several enzymes involved in amino acid metabolism, neurotransmitter synthesis, and nitric oxide production. BH4 deficiency affects neurotransmitter synthesis and can lead to neurological symptoms, including intellectual disability, seizures, and movement disorders. Bovine Dihydropteridine Reductase is encoded by the *QDPR* gene in cattle.

Target/Biomarker	Bovine QDPR
Target Synonym	quinoid dihydropteridine reductase; dihydropteridine reductase; HDHPR
Gene ID	<a href="#">618084</a>
UniProt ID	<a href="#">Q3T0Z7</a>

## Shipping and Storage

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

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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.