

Equine Indoxyl Sulfate (IS) ELISA Kit-Sandwich

Cat. No.: EK2F350

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Equine Indoxyl Sulfate (IS) ELISA Kit-Sandwich is designed for the quantitative determination of Equine Indoxyl Sulfate (IS) 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 Equine IS.
Target Species	Equine
Species Reactivity	Equine
Detection Range	31.26-2000 ng/mL
Sensitivity	17.1 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Indoxyl sulphate (IS, also known as 3-indoxyl sulphate and 3-indoxyl sulphuric acid, is a metabolite of dietary L-tryptophan that acts as a cardiotoxin and uremic toxin. It is derived from dietary protein, specifically from the metabolism of tryptophan. Indoxyl sulfate is a pathogenic factor for sarcopenia in chronic kidney disease. While it is well-known as a nephrovascular toxin, its effects on central nervous system (CNS) cells are still being studied.

Target/Biomarker	Equine IS
Target Synonym	IS; indoxyl sulfate; serum indoxyl sulfate

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

Sato, E. *et al.* Metabolic alterations by indoxyl sulfate in skeletal muscle induce uremic sarcopenia in chronic kidney disease. *Scientific reports*. 2016, 6: 36618.

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.