

CATALOG# 80567

# HORSE ESTRONE-3-SULFATE ELISA KIT

## Catalog number

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## Intended use

A high quality enzymatic assay for the quantification of horse estrone-3-sulfate in horse serum.

## Test principle

Crystal Chem's Horse Estrone-3-Sulfate ELISA kit is a solid phase enzyme-linked immunosorbent assay based on the principle of competitive binding. An unknown amount of estrone-3-sulfate present in the sample and a defined amount of biotin-labeled estrone-3-sulfate compete for the binding sites on antibodies coated to the wells of a microplate. Subsequently, horseradish peroxidase-labeled streptavidin is added, which binds to the biotinylated estrone-3-sulfate. Excess reagent is washed away, and an enzyme substrate is added. The concentration of estrone-3-sulfate is determined and inversely proportional to the optical density measured.

## Specifications

<b>Sample Types</b>	Serum
<b>Assay Time</b>	2 hours
<b>Range</b>	5 - 1,000 ng/mL
<b>Sample Size</b>	20 µL
<b>Precision</b>	CV < 10 %
<b>Sensitivity</b>	0.14 ng/mL

## Highlights

- ✓ Kits use only 20 µL sample
- ✓ Wide dynamic range
- ✓ High sensitivity (0.14 ng/mL)
- ✓ Low cost per sample

## Summary of protocol

