Estradiol-HRP conjugate

Catalog number: 50550
Unit size: 1 mg

Component	Storage	Amount
Estradiol-HRP conjugate	Freeze (< -15 °C), Minimize light exposure	1 mg (100 µL, 10 mg/mL)

OVERVIEW

Estradiol is an estrogen steroid hormone and the major female sex hormone. It is also called 17 beta-estradiol. Estradiol is involved in the regulation of the estrous and menstrual female reproductive cycles. It is responsible for the development of female secondary sexual characteristics and important in the development and maintenance of female reproductive tissues and pregnancy. It also has important effects in many other tissues including bone, fat, skin, liver, and the brain. Though estradiol levels in males are much lower compared to those in females, estradiol has important roles in males as well. An estradiol test measures the amount of the hormone estradiol in your blood. It is also called an E2 test. An estradiol test has a number of clinically important applications. Estradiol-HRP conjugate is a convenient building block for developing estradiol assays.

AT A GLANCE

Application notes
Estradiol-HRP conjugates have been characterized with our ABTS (#11001), TMB (#11003) and ADHP (#11000) peroxidase substrates. A typical of 1:5,000 to 20,000 dilution were used for ELISA application.

Note The suggested working dilution is provided as a guide only. It is recommended that the users titrates the product for use in their tests using proper positive and negative controls.

Formulation
The conjugate 1 mg was reconstituted with 100 µL in 100 mM Sodium Phosphate Buffer, pH 6.0 with the 2 mg/mL BSA, 3% trehalose, and 0.01% thimerosal as a stabilizer.

EXAMPLE DATA ANALYSIS AND FIGURES

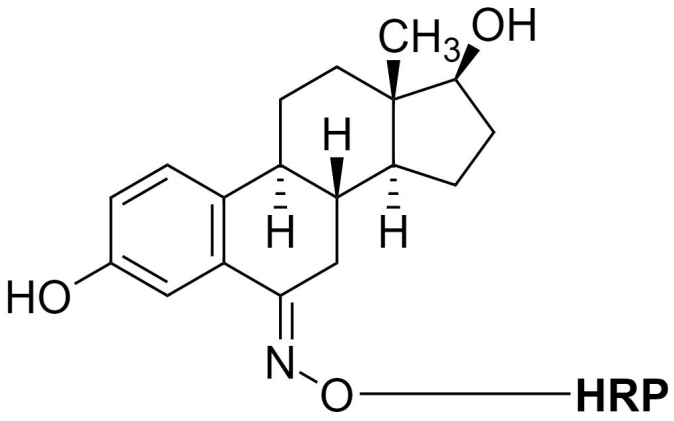

Figure 1. Chemical structure for Estradiol-HRP conjugate.

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