

CATALOG# 80972

PROGESTERONE ELISA (SERUM) KIT

Catalog number

Progesterone ELISA (Serum) Kit.....80972

Intended use

A high quality enzymatic assay for the quantification of progesterone in human serum.

Test principle

Crystal Chem's Progesterone ELISA (Serum) kit is a competitive ELISA for progesterone. It utilizes a specific antibody immobilized onto microplate wells and a labeled antigen conjugated with HRP. The unlabeled antigen present in the sample, standard, or control is incubated in the microplate well with HRP labeled antigen. Both the labeled and unlabeled antigen compete for binding to the immobilized antibody. After incubation, all unbound antigen is removed via a wash step. Subsequently, a substrate solution and stop solution are added, and progesterone levels of the samples can be measured by color intensity.

Specifications

Sample Types	Serum
Assay Time	1 hour 50 minutes
Range	0.5 - 50 ng/mL
Sample Size	25 μ L
Precision	CV < 10%
Sensitivity	0.063 ng/mL

Highlights

- ✓ Kit uses 25 μ L sample
- ✓ Fast assay time (< 2 hours)
- ✓ Wide dynamic working range
- ✓ High sensitivity (0.063 ng/mL)

Summary of protocol

