

CATALOG# 80554

RAT CORTICOSTERONE ELISA KIT

Catalog number

Rat Corticosterone ELISA Kit80554

Intended use

A high quality enzymatic assay for the quantification of rat corticosterone in rat serum and plasma.

Test principle

Crystal Chem's Rat Corticosterone ELISA kit is an enzyme-linked immunosorbent assay based on the principle of competitive binding. An unknown amount of corticosterone present in the sample and a defined amount of progesterone conjugated to horseradish peroxidase compete for the binding sites of corticosterone antiserum coated to the wells of a microplate. After incubation and a wash step, a substrate solution is added, and the concentration of progesterone is inversely proportional to the optical density measured.

Specifications

Sample Types	Serum and Plasma
Assay Time	2.5 hours
Range	15 - 2,250 ng/mL
Sample Size	10 μ L
Precision	CV < 10 %
Sensitivity	6.1 ng/mL

Highlights

- ✓ Kits use only 10 μ L sample
- ✓ No separate extraction required
- ✓ High sensitivity (6.1 ng/mL)
- ✓ Wide dynamic working range

Summary of protocol

