

CATALOG# 80550

# RAT TESTOSTERONE ELISA KIT

## Catalog number

Rat Testosterone ELISA Kit .....80550

## Intended use

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

## Test principle

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

## Specifications

<b>Sample Types</b>	Serum and Plasma
<b>Assay Time</b>	1.5 hours
<b>Range</b>	0.1 - 25 ng/mL
<b>Sample Size</b>	10 $\mu$ L
<b>Precision</b>	CV < 10 %
<b>Sensitivity</b>	0.029 ng/mL

## Highlights

- ✓ Kits use only 10  $\mu$ L sample
- ✓ No separate extraction required
- ✓ High sensitivity (0.066 ng/mL)
- ✓ Low cost per sample

## Summary of protocol

