

CATALOG# 80340

# RAT CREATININE ASSAY KIT

## Catalog number

Rat Creatinine Assay Kit.....80340

## Intended use

A high quality enzymatic assay for the quantification of rat creatinine in serum and urine.

## Test principle

Crystal Chem's Rat Creatinine kit is a quick, easy to use enzymatic procedure. The enzymatic assay for mouse creatinine involves a series of enzymatic reactions including enzymatic conversion of creatinine into creatine which is then converted to sarcosine. This is followed by the oxidation of sarcosine to produce hydrogen peroxide. In the presence of peroxidase, the hydrogen peroxide can then be quantified at 550 nm and a quantitative determination of creatinine can be made.

## Specifications

<b>Sample Types</b>	Serum, Urine
<b>Assay Time</b>	15 minutes
<b>Range (Serum)</b>	0.15 - 13.5 mg/dL
<b>Range (Urine)</b>	0.15 - 141 mg/dL
<b>Sample Size</b>	8 $\mu$ L
<b>Precision</b>	CV < 10%
<b>Sensitivity</b>	0.15 mg/dL

## Optional Control

Control for Rat Creatinine Assay Kit.....Cat# 80343

## Highlights

- ✓ Kit uses < 10  $\mu$ L sample
- ✓ Fast assay time (15 minutes)
- ✓ Adaptable to range of instruments
- ✓ Optimized for rat samples

## Summary of protocol

