# **CATALOG# 80662**



# **RAT ALBUMIN ELISA KIT**

# **Catalog number**

Rat Albumin ELISA Kit ......80662

#### Intended use

A high quality enzymatic assay for the quantification of rat albumin in serum, plasma, and urine.

#### **Test principle**

Crystal Chem's Rat Albumin ELISA kit is a sandwich ELISA. An unknown amount of albumin present in the sample binds with anti-albumin antibodies bound to the microplate. After washing to remove unbound proteins, HRP-conjugated anti-albumin antibodies are added and form a complex with the albumin complex present in the wells. TMB substrate is then added to measure the concentration of albumin present.

# **Specifications**

Sample Types	Serum, Plasma, and Urine
Assay Time	1 hour 10 minutes
Range	6.25 - 400 ng/mL
Sample Size	2 μL
Precision	CV < 10 %
Sensitivity	1.62 ng/mL

#### **Highlights**

- ✓ Kits use only 2 µL sample
- ✓ Wide dynamic range
- √ High sensitivity (1.62 ng/mL)
- ✓ Low cost per sample

### **Summary of protocol**

Add 100 µL diluted sample or standard to well plate

Incubate for 30 minutes at room temperature

Wash plate

Add 100 µL antibody conjugate

Incubate for 30 minutes at room temperature

Wash plate

Add 100 µL substrate solution

Incubate for 10 minutes

Add 100 µL stop solution

Measure OD at 450/630 nm

