

CATALOG# 80510

# HAMSTER TOTAL BILE ACIDS ASSAY KIT

## Catalog number

Hamster Total Bile Acids Assay Kit.....80510

## Intended use

A high quality enzymatic assay for the quantification of hamster total bile acids in serum and plasma.

## Test principle

Crystal Chem's Hamster Total Bile Acids Assay Kit is based on enzymatic technology that utilizes the unique enzymatic property of 3- $\alpha$  hydroxy-steroid dehydrogenase (3- $\alpha$  HSD). In the presence of NAD, the bile acids are converted into 3-keto steroids and NADH. The NADH formed reacts with nitrotriazolium blue (NBT) to form a dye. The dye formation is monitored by measuring absorbance at 540nm and is directly proportional to the bile acids concentration in the mouse samples.

## Specifications

<b>Sample Types</b>	Serum, Plasma
<b>Assay Time</b>	15 minutes
<b>Range</b>	0 - 180 $\mu$ mol/L
<b>Sample Size</b>	20 $\mu$ L
<b>Precision</b>	CV < 10%

## Optional Control

Control for Hamster Total Bile Acids Assay Kit... Cat# 80513  
 Useful for validating the calibration curve when running that assay for the first time or in a novel way.

## Highlights

- ✓ Kits use only 20  $\mu$ L sample
- ✓ Fast assay time (15 minutes)
- ✓ Protocols for live and feces available
- ✓ Optimized for hamster samples

## Summary of protocol

