CATALOG# 80471

MOUSE TOTAL BILE ACIDS ASSAY KIT (NEW)

Catalog number

Mouse Total Bile Acids Assay Kit.....80471

Intended use

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

Test principle

Crystal Chem's Mouse Total Bile Acids Assay Kit is based on enzymatic technology that utilizes the unique enzymatic property of 3-α hydroxy-steroid dehydrogenase (3-α HSD). In the presence of NAD, the bile acids are converted into 3-keto steroids and NADH. The NADH formed reacts with nitrotetrazolium 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

Sample Types	Serum and Plasma
Assay Time	15 minutes
Range	15 - 200 µmol/L
Sample Size	15µL
Precision	CV < 15%

Optional Control

Control for Mouse Total Bile Acids Assay Kit.....Cat# 80473

Useful for validating the calibration curve when running the assay for the first time or in a novel way.

Highlights

- ✓ Kits use only 15 µL sample
- ✓ Fast assay time (15 minutes)
- ✓ All liquid reagents
- ✓ Optimized for mouse samples

Summary of protocol

Add 150 µL NBT solution

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Add 15 µL of sample

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Incubate for 5 minutes at 37 °C

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Measure OD at 540 nm

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Add 30 µL 3- α HSD solution

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Incubate for 5 minutes at 37 °C

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Add 40 µL of Stop Solution

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Measure OD at 540 nm

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