

Total Bile Acid (TBA) Colorimetric Assay Kit

Cat No: HR3BC1213

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader (400-410 nm)
Assay Time	25 min
Validity	3
Assay Type	Quantitative
Sample Type	Serum
Synonyms	TBA
Instrument	Microplate reader (400-410 nm)
Detection Principle	With S-NAD ⁺ as hydrogen receptor, 3?-hydroxy steroid dehydrogenase catalyzed the dehydrogenation of bile acids to produce 3-ketone steroids, transforming S-NAD ⁺ into S-NADH. Meanwhile, NADH was used as hydrogen donor. 3?-hydroxy steroid dehydrogenase catalyzed the production of bile acids from 3-ketone steroids. Through the enzyme cycle reaction, S-NADH is continuously generated, which has the maximum absorption peak at 405 nm. Measure the OD value at 405 nm and the changes of absorbance is proportional to the concentration of bile acid.
Reagents	Normal saline (0.9% NaCl)
Labware	Micropipettor, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	2.05 ?mol/L
Detection Range	2.05-120 ?mol/L
Recovery Rate	97