

General Total Bile Acid Assay Kit

Total Bile Acid Microplate Assay Kit

CATALOG # AAA264774	REACTIVITY General	APPLICATIONS Functional Assay
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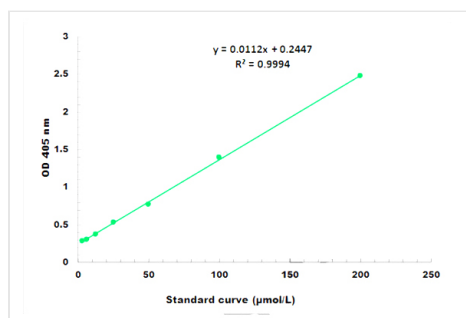
PRODUCT SYNONYMS

Total Bile Acid; Total Bile Acid Microplate Assay Kit; Total Bile Acid assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Urine, Serum, Tissue extracts, Other biological fluids Samples
Detection Range	2 umol/L - 200 umol/L
Applicable Applications for Total Bile Acid assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Total Bile Acid assay kit

Background: Bile Acids (BA) make 67% of the total composition of Bile. They are 24-carbon steroids generated during cholesterol metabolism. They form conjugates with either glycine or taurine to form bile salts. Five of the BAs account for more than 99% of the total population found in biofluids. The average composition in healthy individuals includes conjugates of cholic, chenodeoxycholic, deoxycholic and lithocholic acids. Bile acids are critical due to their ability to solubilize lipids by forming micelles with cholesterol, and fatty acids. Their synthesis is not only critical for the removal of cholesterol from the body but they are also needed for proper uptake of dietary lipids into the small intestine. The measurement of circulatory Total Bile Acids (TBA) therefore provides information about hepatic functions and liver diseases such as jaundice, and hepatocellular injury. TBA estimation can detect liver damage during early stages and permits patients to get treatment before hepatic damages become irreversible. Total Bile Acid Microplate Assay Kit provides a convenient colorimetric method to measure total bile acids in biological samples. In the assay, 3α-hydroxysteroid dehydrogenase reacts with all bile acids, the color intensity at 405 nm is linear to the bile acid concentration in the sample.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.