

5'-Nucleotidase (5'-NT) Colorimetric Assay Kit

Cat No: HR3BC1188

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader (550 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, animal tissue
Synonyms	5'-NT
Instrument	Microplate reader (550 nm)
Detection Principle	5'-Nucleotide enzyme (5'-NT, EC 3.1.3.5), full name is 5'-ribonucleotide phosphohydrolase, is a special phosphohydrolase that specifically hydrolyzes 5'-phosphoric acid attached to pentose in 5'-nucleotide. This enzyme is widely distributed in the cell membrane of various tissues of human and animal. Only the 5'-NT released by the tissue cells of the hepatobiliary system may enter the blood. Therefore, the source of serum 5'-NT has certain specificity, and the determination of serum 5'-NT has important value for the diagnosis of hepatobiliary diseases.
Reagents	Normal saline (0.9% NaCl)
Labware	Pipettor, Water bath, Centrifuge
Size	96T
Sensitivity	28.0 U/L
Detection Range	28.0-581 U/L
Recovery Rate	105