

L-Lactic Acid/Lactate (LA) Colorimetric Assay Kit

Cat No: HR3BC1166

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer(530 nm)
Assay Time	60 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,cell culture supernatant,tissue,cells
Synonyms	
Instrument	Spectrophotometer(530 nm)
Detection Principle	Using NAD ⁺ as hydrogen acceptor, LDH catalyzes the conversion of both lactate and NAD ⁺ into pyruvic acid and NADH respectively. 1-Methoxy-5-methyl phenazine methyl sulfate (PMS) transfers hydrogen from NADH to NBT which deoxidize into purple chromogenic substrate. Lactic acid content can be calculated by measuring the OD value at 530 nm.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator, Centrifuge
Size	100Assays
Sensitivity	0.05 mmol/L
Detection Range	0.05-6.0 mmol/L
Recovery Rate	101