

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

Cat No: HR3BC1206

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Microplate reader(520-540 nm,optimum wavelength: 530 nm)
Assay Time	30 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum,plasma,cell culture supernatant,tissue,cells
Synonyms	
Instrument	Microplate reader(520-540 nm,optimum wavelength: 530 nm)
Detection Principle	Using NAD ⁺ as H ⁺ receptor, LDH catalyzes the reaction of lactic acid and NAD ⁺ to generate pyruvic acid and NADH respectively. NBT is reduced to a kind of purple compound during the reaction. Measure the OD value at 530 nm, and the concentration of lactic acid can be calculated.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Centrifuge, Incubator, Vortex mixer
Size	96T
Sensitivity	0.10 mmol/L
Detection Range	0.12-7.0 mmol/L
Recovery Rate	105