D-Lactic Acid/Lactate Colorimetric Assay Kit

Cat No: HR3BC1249

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(520 nm-550 nm,optimum wavelength: 530 nm)
Assay Time	20 min
Validity	6
Assay Type	Quantitative
Sample Type	Serum, plasma, animal tissue
Synonyms	D-LA
Instrument	Microplate reader(520 nm-550 nm,optimum wavelength: 530 nm)
Detection Principle	Using NAD+ as H+ receptor, D-lactate dehydrogenase (LDH) catalyzes the reaction of D-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 D-lactic acid can be calculated.#N/A
Reagents	PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Incubator, Centrifuge
Size	96T
Sensitivity	0.06 mmol/L
Detection Range	0.06-8.0 mmol/L
Recovery Rate	99