

# Lactate Dehydrogenase (LDH) Activity Assay Kit

Cat No: HR3BC1125

For research use only

## Overview

Detection Method	Colorimetric method
Storage	2-8?
Instrument	Microplate reader(440-460 nm,optimum wavelength: 450 nm)
Assay Time	45 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum,plasma,hydrothorax,tissue,cells
Synonyms	LDH
Instrument	Microplate reader(440-460 nm,optimum wavelength: 450 nm)
Detection Principle	Using coenzyme I as a hydrogen carrier, LDH catalyze lactic acid to produce pyruvate. Pyruvate reacted with 2, 4-dinitrophenylhydrazine to form pyruvate dinitrophenylhydrazone, which was red-brown in alkaline solution, and the color depth was proportional to pyruvate concentration. The activity of LDH could be calculated by measuring OD value.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Multichannel pipette, Incubator
Size	96T
Sensitivity	6 U/L
Detection Range	6-1000 U/L
Recovery Rate	98