



Lactate dehydrogenase (LDH) Activity Assay Kit

Cat No: HR3BC1277

For research use only

Overview

Detection Method	Colorimetric method
Storage	2-8°
Instrument	Spectrophotometer (450 nm)
Assay Time	70 min
Validity	6
Assay Type	Enzyme Activity
Sample Type	Serum, plasma, tissue, cells
Synonyms	LDH
Instrument	Spectrophotometer (450 nm)
Detection Principle	Lactate dehydrogenase (LDH) is an oxidoreductase. LDH catalyzes the conversion of lactate to pyruvic acid and back, as it converts NAD ⁺ to NADH and back. LDH is composed of four subunits (tetramer). The two most common subunits are the LDH-M and LDH-H protein. LDH is released into the blood by cells after tissue damage or erythrocyte hemolysis. Extracellular LDH activity is used to detect cell damage or cell death.
Reagents	Normal saline (0.9% NaCl), PBS (0.01 M, pH 7.4)
Labware	Micropipettor, Vortex mixer, Water bath
Size	100 assays
Sensitivity	4 U/L
Detection Range	4-400 U/L
Recovery Rate	