

D-lactate Dehydrogenase (D-LDH) Detection Kit | D-LDH detection kit

Micro D-lactate Dehydrogenase (D-LDH) Activity Assay Kit

CATALOG #
AAA332633

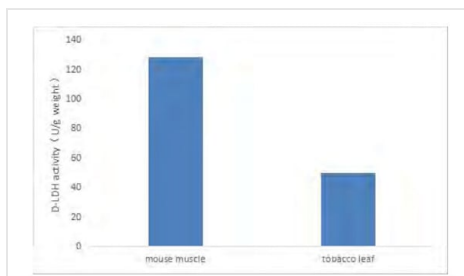
PRODUCT SYNONYMS

D-lactate Dehydrogenase (D-LDH); Micro D-lactate Dehydrogenase (D-LDH) Activity Assay Kit; D-LDH; D-lactate Dehydrogenase; D-LDH detection kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissues, Cells or Bacteria, Serum (Plasma)
Features & Benefits	Measure D-lactate dehydrogenase (D-LDH) activity Detailed sample preparation and result calculation methods are provided.
Usage Notes	If not tested immediately, the sample can be stored at -80 degree C for one month. It is recommended to set several dilutions for the sample to ensure that the reading is within the standard value range. It is necessary to use fresh samples in order to ensure the experimental effect. If the determination is not performed at the same time, it is best to complete sample preparation before storing the sample.
Preparation and Storage	Stored at -20 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for D-LDH detection kit	Principle of the Assay: Lactate dehydrogenase (LDH) is a glycolytic enzyme, which widely exists in animals, plants, microorganisms and cultured cells, with a higher content in kidney. LDH is the terminal enzyme of the glycolytic pathway, catalyzing the reversible reaction between pyruvate and lactate, accompanied by the interconversion between NAD ⁺ /NADH. According to the different configuration of its catalytic substrate lactate, it can be divided into D-lactate dehydrogenase (D-LDH, EC 1.1.1.28) and L-lactate dehydrogenase (L-LDH, EC 1.1.1.27). D-LDH catalyzes NAD ⁺ to oxidize D-lactic acid to produce pyruvate. Pyruvate further reacts with 2,4-dinitrophenylhydrazine to produce pyruvate dinitrophenylhydrazone, which appears brownish red in alkaline solution, and the color depth is proportional to the concentration of pyruvate.
Product Categories/Family for D-LDH detection kit	Cell metabolism detection kit ; Cell analysis

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.