

Lactate Dehydrogenase (LDH) Assay Kit | LDH assay kit

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CATALOG #
AAA332453

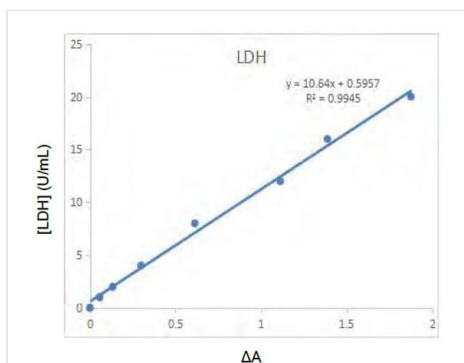
PRODUCT SYNONYMS

Lactate Dehydrogenase (LDH); Lactate Dehydrogenase (LDH) Assay Kit; LDH assay kit

PRODUCT SPECIFICATIONS

Samples	Animal and Plant Tissues, Cells, Plasma, Serum or other Liquid samples
Detection Range	1-20 U/mL
Preparation and Storage	Store at -20 degree C and keep from light. Stable for at least 6 months at recommended temperature from date of shipment.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LDH assay kit

Principle of the Assay: Lactate dehydrogenase (LDH) is an oxidoreductase (EC 1.1.1.27) presents in a wide variety of organisms. It catalyses the inter-conversion of pyruvate and lactate with concomitant inter-conversion of NADH and NAD⁺. It converts pyruvate, the final product of glycolysis, to lactate in hypoxic conditions. LDH quantification is of clinical interest as serum levels of certain LDH isozymes reflect pathological conditions in particular tissues. When disease or injury or toxic material damages tissues, the cells LDH is released into the bloodstream. Since LDH is a fairly stable enzyme, LDH has been widely used to evaluate the presence of damage and toxicity of tissue and cells. CheKine™ Micro Lactate Dehydrogenase (LDH) Assay Kit provides a simple and easy assay for measuring lactate dehydrogenase in Animal and Plant Tissues, Cells, Plasma, Serum and other biological fluids. In this assay, LDH reduces NAD to NADH, which then interacts with WST-8 to produce a color ($\lambda_{max}=450\text{ nm}$).

Product Categories/Family for LDH assay kit

Cell Metabolism

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.