

LDH Cytotoxicity Assay Kit | LDH assay kit

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CATALOG #
AAA330128

PRODUCT SYNONYMS

LDH Cytotoxicity; LDH Cytotoxicity Assay Kit; LDH assay kit

PRODUCT SPECIFICATIONS

Preparation and Storage

Store at -20 degree C and keep in dark. The kit has a storage time of 6 months from receipt.

ADDITIONAL INFORMATION

Related Product Information for LDH assay kit

Principle of the Assay: Lactate dehydrogenase (LDH) is an oxidoreductase which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD⁺. LDH is a stable enzyme, present in all cell types, and rapidly released into the cell culture medium upon damage of the plasma membrane. LDH, therefore, is the most widely used marker in cytotoxicity study. LDH Cytotoxicity Assay Kit provides a simple and easy colorimetric assay for the study of cytotoxicity. This assay is based on a typical cytotoxicity assay, target cells are cultured with a cytotoxic chemical agent or a cytotoxic cell (NK cell, cytotoxic T cells) to induce target cell death and LDH release. The LDH-containing supernatants are transferred to wells of a new 96-well assay plate and mixed with the LDH Reaction solution. On the action of LDH, NADH reacts with the tetrazolium salt MTT to generate the reduced form of NAD⁺ and MTT. The reduced form of MTT exhibits a maximum absorption at 565 nm. The intensity of the generated color correlates directly with the cell number lysed. After an incubation of 30 min at room temperature, the absorbance at 565 nm is read using a plate reader.

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.

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Online datasheet: <https://stage.aaabiotech.com/assay-kits/ldh-cytotoxicity/330128>