CREATIVE BIOMART®
Assay Kit

Glutamate Dehydrogenase Assay Kit

Product Information

Cat

Kit-2511

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Product Overview

GLUTAMATE DEHYDROGENASE (GLDH) is an enzyme which catalyzes the interconversion of glutamate and a-ketoglutarate. Elevated blood serum GLDH levels indicate liver damage; thus, GLDH plays an important role in the diagnosis of liver disease, especially in combination with aminotransferases. Transgenic plants expressing microbial GLDHs are improved in tolerance to herbicide, water deficit, and pathogen infections. The non-radioactive, colorimetric GLDH assay is based on the reduction of the tetrazolium salt MTT in a NADH-coupled enzymatic reaction to a reduced form of MTT which exhibits an absorption maximum at 565 nm. The increase in absorbance at 565 nm is directly proportional to the enzyme activity.

Storage

-20°C

Shipping

RT

Size

100 tests

Detection method OD565nm

Compatible Sample Types

Serum, plasma, cell, tissue, agriculture etc

Features & Benefits

Fast and sensitive. Linear detection range (20 µL sample): 0.4 to 80 U/L for 30 min reaction. Detection Limit of 0.1 U/L for 120 min reaction.
Convenient and high-throughput. Homogeneous "mix-incubate-measure" type assay. Can be

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readily automated on HTS liquid handling systems for processing thousands of samples per day.

Assay time
30 min
Sensitivity
0.1 U/L

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