

Glutamate Dehydrogenase Assay Kit

Cat. No. Kit-2511 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLUTAMATE DEHYDROGENASE (GLDH) is an enzyme which catalyzes the interconversion of glutamate and α-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 μ 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 readily automated on HTS liquid handling systems for processing thousands

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of samples per day.

Assay time

30 min

Sensitivity

0.1 U/L

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