

Glucose Dehydrogenase Assay Kit

Cat. No. Kit-2523 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GLUCOSE DEHYDROGENASE (GDH) belongs to the family of oxoreductases, specifically those acting on the CH-OH group of donor with other acceptors. GDH participates in the pentose phosphate pathway. The non-radioactive, colorimetric GDH 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 proportional to the enzyme activity.
Storage	RT
Shipping	RT
Size	100 tests
Detection method	OD565nm
Compatible Sample Types	Biological samples (e.g. plasma, serum, tissue and culture media).
Features & Benefits	Fast and sensitive. Linear detection range (20 µL sample): 0.5 to 200 U/L for 15 min reaction. Convenient and high-throughput. Homogeneous "mix-incubate-measure" type assay. Can be readily automated on HTS liquid handling systems for processing thousands of samples per day.

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Assay time	15 min
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Sensitivity	0.5 U/L
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