

## Glucose Dehydrogenase Assay Kit

### Product Information

#### Cat

Kit-2523

#### Cat.No.

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### Product Overview

GLUCOSE DEHYDROGENASE (GDH) belongs to the family of oxioreductases, 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  $\mu$ L 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

### Sensitivity

0.5 U/L

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