CREATIVE BIOMART®
Assay Kit

Sorbitol Dehydrogenase Assay Kit

Product Information

Cat

Kit-2480

Cat.No. Kit-2480

Product Overview

SORBITOL DEHYDROGENASE (SDH) is an enzyme that catalyzes the interconversion of sorbitol and fructose. Elevated blood serum SDH levels indicate liver damage; thus, SDH plays an important role in the diagnosis of liver disease, especially in combination with aminotransferases. SDH levels are also measured to evaluate diabetic complications such as proliferative diabetic retinopathy. The non-radioactive, colorimetric SDH 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

Biological samples e.g. plasma, serum, urine, tissue and culture media.

Features & Benefits

Fast and sensitive. Linear detection range (20 µL sample): 0.1 to 125 U/L for 12 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
0.1 U/L

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