

Sorbitol Dehydrogenase Assay Kit

Cat. No. Kit-2480 **Lot. No.** (See product label)

SPECIFICATION

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

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of samples per day.

Assay time

15 min

Sensitivity

0.1 U/L

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