

Glucose Oxidase Activity (GOD) Assay Kit | GOD assay kit

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CATALOG #
AAA332455

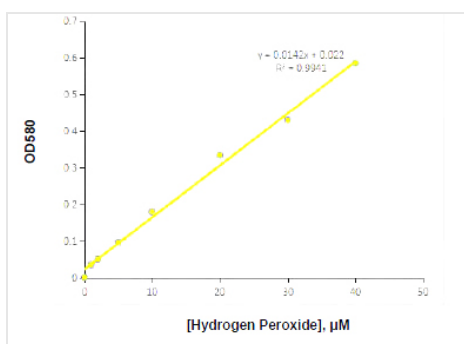
PRODUCT SYNONYMS

Glucose Oxidase Activity (GOD); Glucose Oxidase Activity (GOD) Assay Kit; GOD assay kit

PRODUCT SPECIFICATIONS

Samples	Biological samples such as in serum or plasma, cells, urine, other body fluid, food, growth medium
Detection Range	0.05 - 2 U/L
Preparation and Storage	Store at -20 degree C and keep from light. Kit has a storage time of 12 months from receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GOD assay kit	Principle of the Assay: CheKine™ Glucose Oxidase Activity Assay Kit provides a simple and easy colorimetric assay for detecting Glucose Oxidase Activity in biological samples such as in serum or plasma, cells, urine, other body fluid, food, growth medium. In this assay, GOD activity is determined by a coupled enzyme assay, in which GOD oxidizes D-glucose resulting in the production of hydrogen peroxide (H ₂ O ₂) that reacts with chromogen in an acid condition, produce a product that can be measured at OD 580 nm. Therefore, the glucose oxidase activity present in the sample is proportional to the signal obtained.!!Background/Introduction: The glucose oxidase enzyme (GOx) (EC 1.1.3.4) is a dimeric enzyme that catalyzes oxidation of beta-D-glucose into hydrogen peroxide and D-glucono-1,5-lactone, which is hydrolyzed to gluconic acid. This enzyme is produced by certain species of insects, fungi, and bacteria. Glucose oxidase is widely used for the determination of glucose in body fluids and in removing residual glucose and oxygen from beverages, food and other agricultural products. Furthermore, Glucose oxidase is commonly used in biosensors to detect glucose.
Product Categories/Family for GOD assay kit	Cell Metabolism

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.