

General Xanthine Oxidase Assay Kit

Xanthine Oxidase Microplate Assay Kit

CATALOG # AAA261589	REACTIVITY General	APPLICATIONS Functional Assay
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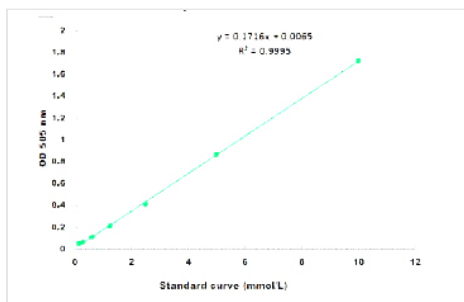
PRODUCT SYNONYMS

Xanthine Oxidase; Xanthine Oxidase Microplate Assay Kit; EC 1.17.3.2; Hypoxanthine oxidase; Hypoxanthine-xanthine oxidase; Schardinger enzyme; Xanthine oxidoreductase; Xanthine Oxidase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	513
Samples	Urine, serum, plasma, tissue extracts, cell lysate, cell culture media and other biological fluids samples
Detection Range	0.1 mmol/L - 10 mmol/L
Applicable Applications for Xanthine Oxidase assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Xanthine Oxidase assay kit

Background/Introduction: Xanthine Oxidase (XO) catalyzes the sequential oxidation of hypoxanthine to xanthine, and xanthine to uric acid and hydrogen peroxide. In humans and other primates, XO controls the final step of purine catabolism and is normally found in the liver and the intestinal mucosa. In rodents, XO is broadly expressed in most tissues. While XO activity is normally very low in blood, liver injury can result in the release of XO into blood. XO may contribute to the pathogenesis of gout and cardiovascular disease, and XO activity or expression may be upregulated in these conditions. Xanthine Oxidase Microplate Assay Kit is a sensitive assay for determining Xanthine Oxidase activity in various samples. The enzyme catalysed reaction products quinone can be measured at a colorimetric readout at 505 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157092381
Molecular Weight	56,177 Da

NCBI Official Full Name	xanthine oxidase
UniProt Protein Name	Xanthine oxidase
UniProt Entry Name	B3SPS5_9MICC

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.

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Online datasheet: <https://www.aaabiotech.com/general-assay-kits/xanthine-oxidase/261589>