

General Sorbitol Assay Kit

Sorbitol Microplate Assay Kit

CATALOG # AAA27827	REACTIVITY General	APPLICATIONS Functional Assay
------------------------------	------------------------------	---

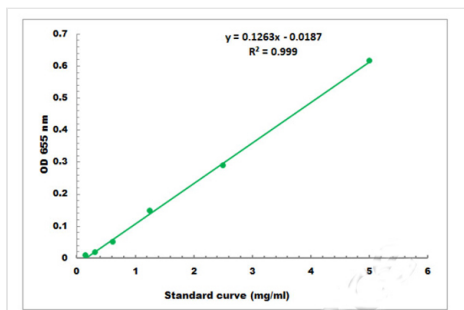
PRODUCT SYNONYMS

Sorbitol; Sorbitol Microplate Assay Kit; Glucitol; Sorbogem; Sorbo; Sorbitol assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.1 mg/ml - 5 mg/ml
Applicable Applications for Sorbitol assay kit	FA (Functional Assay)
Intra-assay Precision	Intra-assay CV(%) is less than 10%.
Inter-assay Precision	Inter-assay CV(%) is less than 15%.
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Sorbitol assay kit

Background: Sorbitol is one of the 6 carbon sugar alcohols. It is commonly used as an artificial sweetener, as a laxative and in cosmetics as a humectant and thickening agent. Sorbitol is produced naturally in a variety of fruits. It can be produced in humans in small amounts by the reduction of glucose by aldose reductase. Due to its poor ability to diffuse across the cell membrane, sorbitol can be trapped in cells and is believed to be one of the causes of damage (due to osmotic effects) in diabetes. Sorbitol can react with Cu^{2+} under alkaline solution development of intense color with an absorbance at 655 nm.

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.