

General Fructosamine Assay Kit

Fructosamine Microplate Assay Kit

CATALOG # AAA27905	REACTIVITY General	APPLICATIONS Functional Assay
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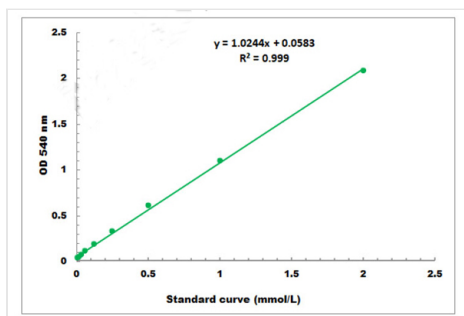
PRODUCT SYNONYMS

Fructosamine; Fructosamine Microplate Assay Kit; Fructosamine assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Samples	Serum, Plasma and Other biological fluids Samples
Detection Range	0.01 mmol/L - 2 mmol/L
Applicable Applications for Fructosamine 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 Fructosamine assay kit

Background: Fructosamines are stable glycosylated proteins that are formed by a non-enzymatic reaction between glucose and serum proteins (usually albumin). Elevated concentrations of fructosamine can be found in serum samples of diabetic patients and its detection can be used to assess the glycemic status of diabetics. The half-life of albumin is shorter when compared to hemoglobin ($t_{1/2}$ = 20 days vs. 50 days respectively). Thus, fructosamine levels reflect the efficacy of treatment in diabetic patients during short-term periods, and provide earlier and more sensitive detection for diabetes than many other carbohydrate tests. Fructosamine Microplate Assay Kit provides a convenient tool for sensitive detection of Fructosamine in a variety of samples. The assay is based on the ability of fructosamine to reduce nitroblue tetrazolium (NBT), forming a colored end-product (purple) under alkaline conditions. The formation rate of formazan can be measured at a colorimetric readout at 540 nm, is proportional to the fructosamine concentration in the sample.

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.