

Hemoglobin A1c (HbA1c) Assay Kit (Fructosyl-peptide oxidase assay)

Product Information

Cat#	Kit-077
Description	Based on fructosyl-peptide oxidase mediated enzymatic colorimetric reaction, this HbA1c assay kit directly targets glycated peptide fragments derived from hemoglobin to precisely measure the percentage of HbA1c in whole blood lysates. The streamlined pretreatment protocol shortens sample processing time while maintaining excellent consistency across low and high glycemic concentration ranges, meeting strict standards for long-term blood glucose monitoring. Laboratories utilize this kit for diabetes assessment, therapeutic efficacy tracking and risk evaluation of diabetic microvascular complications.
Application	This product can be applied for quantitative determination of glycated hemoglobin in whole blood with fructosyl-peptide oxidase colorimetric reaction.
Benefits	Adopts IFCC-traceable enzymatic assay technology to deliver superior specificity and accuracy with no interference from HbA subtypes.
Precision	Intra-assay CV $\leq$ 4%; Inter-assay CV $\leq$ 6%.
Linear Range of Detection	This Assay Kit shows a good linearity for HbA1c concentration between 3%-16%.
Anti-interference Performance	Vitamin C $\leq$ 30 mg/dL; Glucose $\leq$ 1000 mg/dL; Bilirubin $\leq$ 50 mg/dL; Lipemia $\leq$ 2000 mg/dL
Storage	Excellent stability can be maintained for 18 months when stored sealed below 4°C; stable within 28 days after opening.
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