



Glycosylated Hemoglobin Content Assay kit

Glycated hemoglobin (GHb) is formed when a non-enzyme reaction occurs between glucose in the serum and hemoglobin in the erythrocyte. The amount of GHb generated is proportional to the mean blood glucose during the 8–10 weeks before the test. GHb is composed of HbA1a, HbA1b and HbA1c. HbA1c accounts for about 70% and its structure is relatively stable. GHb content is used as a biomarker for diabetes mellitus control. The hexose moiety of GHb is converted to 5-hydroxymethylfurfural (5-HMF) by heating at 100°C in the presence of a weak acid. 5-HMF reacts with Thiobarbituric Acid (TBA) to produce a colored compound, which has an absorption peak at 443 nm.

Catalog No.	250561
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs