

Glycated Albumin (GA) Reagent

# NORUDIA GA

## Features

- Glycated albumin (GA) is a useful index of glycemic control for patient with diabetes
- Easy to measure with various automatic analyzers
- The accuracy of GA assays and calibrating working reference materials are confirmed by CRM, JCCRM 611-1

Code	Product name	Kit Configuration	Storage
511479	GA Enzyme Solution 1	40 mL × 2	2-10°C
511486	GA Enzyme Solution 2	13.4 mL × 2	
511493	ALB Buffer Solution 1	40 mL × 2	
511509	ALB Coloring Solution 2	20 mL × 2	
536823	L set (for HITACHI LABOSPECT)	GA R1: 45.6 mL×1,GA R2: 15.2 mL×1 ALB R1: 45.6 mL×1,ALB R2: 22.8 mL×1	
511516	Calibrator	For 1 mL × 2conc. × 3	
511523	Glycated Albumin Control	For 1 mL × 2conc. × 6	

	Reference Standard Range
GLU (Fasting blood glucose level)	73-109mg/dL (JCCLS common standard range) <sup>1)</sup>
HbA1c	4.6-6.2% <sup>2)</sup>
GA	11-16% <sup>2)</sup>

1) Kanai M. (supervising editor): Kanai's manual of clinical laboratory medicine. 35th ed. 519, Kanehara Shuppan, 2020.

2) Edited by the Japan Diabetes Society, Treatment Guide for Diabetes 2022-2023, 15, 2022, Bunkodo, Japan

not available in all countries

"NORUDIA" is a trademark or registered trademark of SEKISUI MEDICAL CO., LTD. in Japan and/or other countries.

## What's Glycated Albumin (GA)?

- GA is a glycated protein in which glucose and albumin are bound
- Reflect the mean blood glucose level over a period of 2-4 weeks
- GA is more suitable for early diagnosis of diabetes and blood glucose monitoring
- Useful for preventing diabetic complications of patients with gestational diabetes, hemolytic anemia, and hemodialysis

## Method

GA :Glycated amino acids are cut out from GA by a protease.



**ALB** ALB: Albumin is measured more specifically by the BCP method.



$$GA(\%) = \frac{\text{Glycated Albumin}}{\text{Albumin}}$$

## Basic Performance Data<sup>3)</sup> [Hitachi 7180]

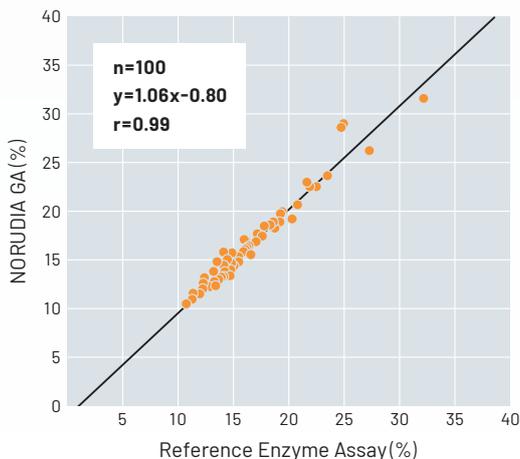
### With-in Precision Study Result

	Glycated Albumin Control Low	Glycated Albumin Control High	Pooled serum
N	20	20	20
MEAN	11.46	29.58	15.03
S.D.	0.16	0.21	0.19
C.V.(%)	1.39	0.71	1.24
RANGE	0.6	0.8	0.7

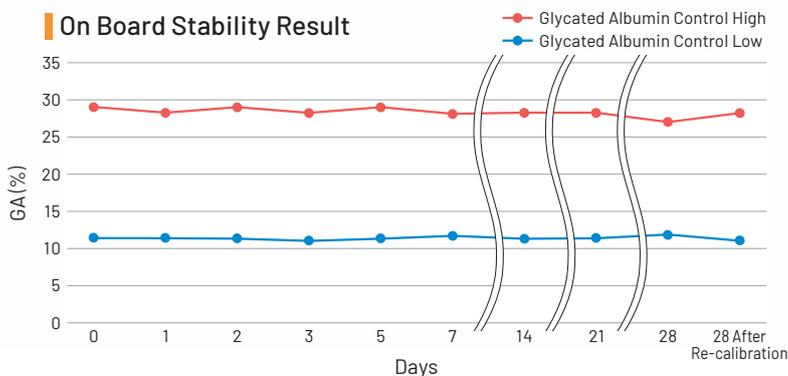
### Interference Study Result

	Added Volume	Measured value GA(%)	
		Without interferent	With interferent
Bilirubin F	12.5mg/dL	17.3	16.0
Bilirubin C	12.5mg/dL	16.3	15.6
Hemoglobin	80mg/dL	15.8	15.7
Chyle	3000Formazin Turbidity Unit	16.1	15.4
Ascorbic acid	50mg/dL	16.0	16.0

### Method Comparison Result



### On Board Stability Result



<sup>3)</sup>SEKISUI MEDICAL In-house Data

For more information contact:

**SEKISUI**

SEKISUI MEDICAL CO., LTD.

1-3, Nihonbashi 2-chome, Chuo-ku, Tokyo 103-0027 JAPAN  
E-mail: international@sekisui.com  
Web: www.sekisui-medical.jp/english

NGA-01

22 05 AR