Diabetes Care

Central Laboratory

Lucica® Glycated Albumin-L

A specific test for glycated albumin

- Enzymatic methodology
- Liquid, ready to use reagents
- For use on compatible open channel chemistry analyzers
- Results expressed as a ratio of Glycated Albumin to Albumin in mmol/mol or % units
- Manufactured by Asahi Kasei Pharma Corporation

EKF Diagnostics for life

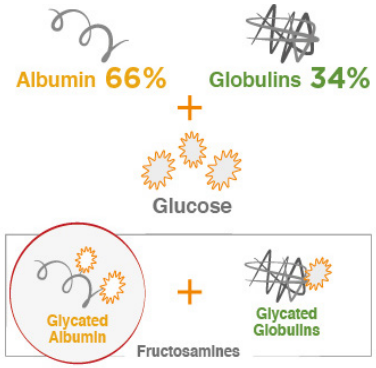
Lucica® Glycated Albumin-L

Albumin is the most abundant extracellular protein in the circulatory system. Albumin is involved primarily with regulation of osmotic pressure and as a carrier protein for hydrophobic molecules in the bloodstream including drugs, bile acids and free fatty acids.

Albumin has a half-life (turnover) of approximately 21 days and is very sensitive to 'glycation' by glucose and other sugars in the blood.

Glycated albumin differs from traditional fructosamine tests as it measures glycated albumin only. In a fructosamine measurement the majority of the signal is due to glycated albumin (~66% of serum proteins is albumin).

The remaining signal is comprised of other glycated globulins (~34%). There are numerous fructosamine methods available but these methods lack standardization and don't report results as a ratio.



The Advantages of Lucica® Glycated Albumin-L

- ✔ Lucica® Glycated Albumin-L is **specific** for glycated albumin. It does not measure other glycated proteins such as glycated immunoglobulins.
- ✔ Lucica® Glycated Albumin-L measures **both** glycated albumin and total albumin in separate reactions.
- ✔ Lucica® Glycated Albumin-L results are expressed as a **ratio**, thus minimizing differences in protein concentrations between patients.
- ✔ Lucica® Glycated Albumin-L is standardized to an established reference (JCCRM611) via JSCC (Japan Society of Clinical Chemistry).
- ✔ Over the last decade, numerous studies have been published utilizing the Lucica® methodology. See Bibliography List.

Intended use

There is peer-reviewed literature supporting the use of glycated albumin (GA) as a good marker of glycemic control based on clinical outcomes, for microvascular complications, macrovascular complications, diabetes risk, prognosis in hemodialysis patients and predicting pregnancy outcomes.

GA has been shown to be useful for the intermediate term monitoring of glycemic control in patients with diabetes.

Item description	Ref. no.
Lucica® Glycated Albumin-L test kit Includes: GA R1 2 x 40 mL GA R2 2 x 10 mL ALB R1 2 x 40 mL ALB R2 2 x 20 mL	L210GA
Calibrator for Lucica® Glycated Albumin-L Low: 1 x 1 mL; High: 1 x 1 mL	G252GA
Control for Lucica® Glycated Albumin-L Low 1 x 3 mL; High 1 x 3 mL	G282GA

Distributed by

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