

# Glycated Serum Protein (GSP) Calibrator Procedure No. 2360



## Intended Use

Stanbio Glycated Serum Protein (GSP) Calibrator Kit is intended to be used for calibration of Stanbio Glycated Serum Protein LiquiColor® Assay (REF 2350-062). For *in-vitro* diagnostic use only.

## Summary

The Stanbio GSP Calibrator Kit (REF 2360-401) is a set of two level 1 and two level 2 calibrators. These two levels are to be used for a two-point calibration of the Stanbio GSP LiquiColor® Assay (REF 2350-062).

## Reagents – Working Solutions

### Reactive Components

Buffer base and additives

### Non-reactive components

Sodium azide (NaN<sub>3</sub>) <0.1%

Stanbio GSP Calibrator Kit includes saline with preservative (REF 2361-001) for use as Calibrator 1 and lyophilized Calibrator 2 (2362-001).

## Calibrator Values

The exact Calibrator values are given on the vial labels.

## Precautions and Warnings

1. Exercise the normal precautions for handling all laboratory reagents. Each donor unit of serum used in the preparation of this Calibrator Set was tested by FDA-approved methods and found negative for the Human Immunodeficiency Virus Antibody (HIV I/II Ab), Hepatitis B Surface Antigen (HBsAg), and Hepatitis C Virus Antibody (HCV). Because no method can offer complete assurance as to the absence of infectious agents, however, this material and all patient samples should be handled as though capable of transmitting infectious disease and disposed of accordingly.
2. Additional safety information concerning storage and handling of this product is provided within the Material Safety Data Sheet for this product.
3. Avoid contact with skin and eyes.
4. Contains sodium azide, which may react with lead or copper plumbing to form explosive compounds. Flush drains with copious amounts of water when disposing of this reagent.

## Materials Provided

The Stanbio GSP Calibrator Kit consists of four vials, two vials each of Calibrator 1 and Calibrator 2.

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## Materials required (but not provided)

Stanbio GSP LiquiColor® Assay reagents (REF 2350-062)

Distilled water

General laboratory equipment

## Handling

Reconstitute lyophilized contents of each vial with 1 mL of distilled water. To ensure complete reconstitution, equilibrate vial at room temperature for 30 minutes with gentle swirling a few times before first use, make sure all the contents are dissolved.

## Assay

Prepare Calibrator 2 as stated in the Handling section. Take care to avoid the formation of bubbles. Enter 0 mol/L for Calibrator 0 and for Calibrator 2, the lot specific value provided on its vial label.

*Note:* The Stanbio Glycated Serum Protein Assay requires weekly calibration.

## References

1. Armbuster DA, Fructosamine: Structure, Analysis and Clinical Usefulness. *Clin. Chem.* 1987; 33 (12): 2153-2163.
2. Kouzuma, T. *et al.* An Enzymatic Method for the Measurement of Glycated Albumin in Biological Samples. *Clin. Chimi. Acta* 2002; 324: 61-71

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