

CATALOG# 80430

RAT GLYCATED SERUM PROTEIN (GSP) KIT

Catalog number

Rat Glycated Serum Protein (GSP) Kit.....80430

Intended use

A high quality enzymic assay for the quantification of rat glycated serum protein (GSP) in rat serum and plasma.

Test principle

Crystal Chem's Rat GSP kit uses proteinases to digest serum proteins into low molecular weight glycated protein fragments, and uses specific fructosaminase to yield glucosone and H₂O₂. The H₂O₂ released is measured by a colorimetric reaction. The absorbance at 570 nm is proportional to the concentration of glycated serum protein (µmol/L).

Specifications

Sample Types	Serum and Plasma
Assay Time	10 minutes
Range	20 - 1,300 µmol/L
Sample Size	20 µL
Precision	CV < 10%

Optional Control

Control for the Rat GSP Kit..... Cat# 80433

Useful for validating the calibration curve when running the assay for the first time or a novel way.

Highlights

- ✓ Easy-to-use
- ✓ Fasy assay (10 minutes)
- ✓ Very small sample volume (20 µL)
- ✓ Wide dynamic range

Summary of protocol

