

CATALOG# 80420

# MOUSE GLYCATED SERUM PROTEIN (GSP) KIT

## Catalog number

Mouse Glycated Serum Protein (GSP) Kit.....80420

## Intended use

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

## Test principle

Crystal Chem's Mouse GSP kit uses proteinases to digest serum proteins into low molecular weight glycated protein fragments, and uses specific fructosaminase to yield glucosone and H<sub>2</sub>O<sub>2</sub>. The H<sub>2</sub>O<sub>2</sub> released is measured by a colorimetric reaction. The absorbance at 570 nm is proportional to the concentration of glycated serum protein (μmol/L).

## Specifications

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

## Optional Control

Control for the Mouse GSP Kit..... Cat# 80423

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

